

Read Free Release
It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Deploy
Michael T Nygard
Production
Ready
Software
Pragmatic
Programmer

Read Free Release

It Design And

s Michael T

Nygaard

Can a system be
considered truly
reliable if it isn't

fundamentally
secure? Or can it be
considered secure if
it's unreliable?

Security is crucial to
the design and
operation of scalable

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It Design And
Deploy Production
systems in
Ready Software
production, as it plays
Pragmatic
an important part in
Programmers
product quality,
Michael I Nygard
performance, and
availability. In this
book, experts from
Google share best
practices to help your
organization design
scalable and reliable
systems that are
fundamentally secure.

Two previous

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Read Free Release It Design And

Deploy Production
Ready Software
O'Reilly books from
Google—Site

Reliability Engineering
and The Site

Reliability Workbook—
Michael T Nygard
demonstrated how
and why a

commitment to the
entire service lifecycle
enables organizations
to successfully build,
deploy, monitor, and
maintain software
systems. In this latest

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Pragmatic

Programmers

Michael I Nygard

practitioners who

specialize in security

and reliability. They

also discuss how

building and adopting

their recommended

best practices

requires a culture

that's supportive of

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such change. You'll
learn about secure

and reliable systems

through: Design

strategies

Recommendations for

coding, testing, and

debugging practices

Strategies to prepare

for, respond to, and

recover from incidents

Cultural best practices

that help teams

across your

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organization
Ready Software
collaborate effectively
Pragmatic
Service providers are
Programmers
increasingly focused
Michael Nygard
on delivering triple-
play bundles that
incorporate Internet,
video, and VoIP
services—as well as
multi-play bundles
containing even more
advanced services.
Broadband Network
Architectures is the

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Deploy Production

first comprehensive
guide to designing,
implementing, and

managing the

networks that make

triple-play services

possible. Hellberg,

Greene, and Boyes

present their field-

tested industry best

practices and

objectively evaluate

the tradeoffs

associated with key

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up-front architectural decisions that balance the complexities of bundled services and sophisticated traffic policies. Broadband Network Architectures not only documents what is possible on this rapidly changing field of networking, but it also details how to divide Internet access into these

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more sophisticated
services with

specialized Quality of
Service handling.

Coverage includes ·

An in-depth
introduction to next-
generation triple-play
services:

components,
integration, and
business connectivity
· Triple-play backbone
design: MPLS, Layer

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Deploy Production
3 VPNs, and
Ready Software
Broadband Network
Programatic
Gateways
(BNGs)/Broadband
Remote Access
Michael I Nygard
Servers (B-RAS) ·
Protocols and
strategies for
integrating BNGs into
robust triple-play
networks · Triple-play
access network
design: DSLAM
architectures,

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aggregation networks,
transport, and Layer 2

tunneling · VLAN-per-
customer versus
service-per-VLAN
architectures:

advantages and
disadvantages · PPP
or DHCP: choosing
the right access
protocol · Issues
associated with
operating in
wholesale, unbundled

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environments · IP
addressing and
subscriber session
management ·
Broadband network
security, including
Denial of Service
attacks and VoIP
privacy · The future of
wireless broadband:
IMS, SIP, and non-
SIP based fixed
mobile convergence
and wireless video

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In the race to compete in today's fast-moving markets, large enterprises are busy adopting new technologies for creating new products, processes, and business models. But one obstacle on the road to digital transformation is placing too much emphasis on

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technology, and not
enough on the types
of processes

technology enables.

What if different lines
of business could
build their own
services and
applications—and
decision-making was
distributed rather than
centralized? This
report explores the
concept of a digital

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Michael T Nygard

business platform as
a way of empowering
individual business
sectors to act on data
in real time. Much
innovation in a digital
enterprise will
increasingly happen
at the edge, whether it
involves business
users (from marketers
to data scientists) or
IoT devices. To
facilitate the process,

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your core IT team can
provide these sectors
with the digital tools
they need to innovate
quickly. This report
explores: Key cultural
and organizational
changes for
developing business
capabilities through
cross-functional
product teams A
platform for
integrating

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applications, data
sources, business
partners, clients,
mobile apps, social
networks, and IoT
devices Creating
internal API programs
for building innovative
edge services in low-
code or no-code
environments Tools
including Integration
Platform as a Service,
Application Platform

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It Design And
Deploy Production
as a Service, and
Ready Software
Integration Software
as a Service The
challenge of
Programmers
integrating
Michael Nygard
microservices and
serverless
architectures Event-
driven architectures
for processing and
reacting to events in
real time You'll also
learn about a
complete pervasive

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integration solution as
Ready Software
a core component of
Pragmatic
a digital business
Programmers
platform to serve
Michael I Nygard
every audience in
your organization.

As a developer, you need to build software in a secure way. But you can't spend all your time focusing on security. The answer is to use good design principles, tools, and

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mindsets that make security an implicit result - it's secure by design. Secure by Design teaches developers how to use design to drive security in software development. This book is full of patterns, best practices, and mindsets that you can directly apply to your

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real world
development.

Purchase of the print
book includes a free
eBook in PDF, Kindle,
and ePub formats
from Manning
Publications.

Hands-on Site
Reliability Engineering
With examples in
Java
Cloud Native
Microservices with

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Spring and
Ready Software
Kubernetes
Continuous Delivery
for Mobile with
fastlane
Michael T Nygard
Automating the
Container
Orchestration
Platform
Best Practices for
Designing,
Implementing, and
Maintaining Systems
How to Design,

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Deploy Production
Ready Software

Governance Program

Release

*It! Design and
Deploy Producti
on-Ready Softwa
re Pragmatic*

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*continuous
deployment and
automation with*

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*code-signing,
continuous
testing,
building,
deploying, and
releasing of
your app. Key
Features A
practical guide
on automating
your mobile
development
pipeline with*

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Fastlane,
Ready Software
Jenkins, and
Pragmatic
Slack. Build,
Programmers
test, run and
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deploy your
mobile
application
release with
this end to end
guide.

Implement
Continuous
Integration,

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Deploy Production

*delivery, and
deployment*

Ready Software

Pragmatic
practices to

Programmers
optimize your

Michael T. Nygard
application

development

workflow for

faster and

efficient

release builds.

Book

Description

Competitive

Read Free Release
It Design And
Deploy Production
mobile apps
Ready Software
depend strongly
Pragmatic
on the
Programmers
development
Michael T. Nygard
team's ability
to deliver
successful
releases,
consistently
and often.
Although
continuous
integration

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*took a more
mainstream
priority among
the development
industry,
companies are
starting to
realize the
importance of
continuity
beyond
integration and
testing. This*

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Deploy Production
Ready Software

Pragmatic
Programmers
fastlane—a

robust command-
line tool that
enables iOS and
Android

developers to
automate their
releasing
workflow. The
book then

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Ready Software
Pragmatic
Programmers
Michael T Nygard

*explores and
guides you
through all of
its features
and utilities;
it provides the
reader a
comprehensive
understanding
of the tool and
how to
implement them.
Themes include*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nyrard
setting up and
managing your
certificates
and
provisioning
and push
notification
profiles;
automating the
creation of
apps and
managing the
app metadata on

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It Design And
Deploy Production
*iTunes Connect
and the Apple
Developer
Portal; and
building,
distributing
and publishing
your apps to
the App Store.
You will also
learn how to
automate the
generation of*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*localized
screenshots and
mesh your
continuous
delivery
workflow into a
continuous
integration
workflow for a
more robust
setup. By the
end of the
book, you will*

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It Design And
Deploy Production
gain
Ready Software
substantial
Pragmatic
knowledge on
Programmers
delivering bug
Michael T Nygard
free, developer-
independent,
and stable
application
release cycle.
What you will
learn Harness
the fastlane
tools for the

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It Design And
Deploy Production
Continuous
Ready Software
Deployment
Pragmatic
Integrate
Programmers
Michael T Nygard
Continuous
Deployment with
existing
Continuous
Integration.
Automate upload
of screenshots
across all
device screen-

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It Design And
Deploy Production
sizes Manage
push Ready Software
Pragmatic
notifications,
provisioning
Programmers
profiles, and
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code-signing
certificates
Orchestrate
automated build
and deployments
of new versions
of your app
Regulate your

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It Design And
Deploy Production
TestFlight
Ready Software
users and on-
board new
Pragmatic
testers who
Programmers
Michael T Nygard
this book is
for This book
is intended for
mobile
developers who
are keen on
incorporating
Continuous
integration and

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*deployment
practices in
their workflow.*

*A detailed
guide for
deploying PPTP,
L2TPv2, L2TPv3,
MPLS Layer-3,
AToM, VPLS and
IPSec virtual
private
networks.*

Summary

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It Design And

Deploy Production

*Microservices
in Action* is a

practical book

about building

and deploying m

*icroservice-
based*

applications.

Written for

developers and

architects with

a solid grasp

of service-

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It Design And
Deploy Production
oriented
Ready Software
development, it
Pragmatic
tackles the
Programmers
challenge of
Michael T Nygard
putting
microservices
into
production.
Purchase of the
print book
includes a free
eBook in PDF,
Kindle, and

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Pragmatic
Publications.
About the
Technology

Invest your
time in
designing great
applications,
improving
infrastructure,
and making the
most out of

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It Design And
Deploy Production
your dev teams.
Ready Software
Microservices
Pragmatic
are easier to
Programmers
write, scale,
Michael T Nygard
and maintain
than
traditional
enterprise
applications
because they're
built as a
system of
independent

Read Free Release
It Design And
Deploy Production
components.
Ready Software
Pragmatic
Programmers
Michael T Nygard

*Master a few
important new
patterns and
processes, and
you'll be ready
to develop,
deploy, and run
production-
quality
microservices.*

About the Book
Microservices

Read Free Release
It Design And
Deploy Production
in Action
Ready Software
teaches you how
Pragmatic
to write and
Programmers
maintain micros
Michael T Nygard
ervice-based
applications.
Created with
day-to-day
development in
mind, this
informative
guide immerses
you in real-

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world use cases
Ready Software
from design to
Pragmatic
deployment.

You'll discover
Michael T Nygard
how

microservices
enable an
efficient
continuous
delivery
pipeline, and
explore
examples using

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Deploy Production
*Kubernetes,
Docker, and
Google
Container
Engine. What's
inside An
overview of
microservice
architecture
Building a
delivery
pipeline Best
practices for*

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*designing multi-
service
transactions
and queries
Deploying with
containers
Monitoring your
microservices
About the
Reader Written
for
intermediate
developers*

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Ready Software
Pragmatic
Programmers
Michael T Nygard
platforms like
AWS and GCP.
About the
Author Morgan
Bruce and Paulo
A. Pereira are
experienced
engineering
leaders. They

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*work daily with
microservices*

*Ready Software
Pragmatic
Programmers,*

Michael T Nygard

techniques

detailed in

this book.

Table of

Contents PART 1

- The lay of

the land

Designing and

Read Free Release
It Design And
Deploy Production
running
Ready Software
microservices
Pragmatic
Microservices
Programmers
at SimpleBank
PART 2 - Design
Architecture of
a microservice
application
Designing new
features
Transactions
and queries in
microservices

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Designing

reliable

services

Building a

reusable

microservice

framework PART

3 - Deployment

Deploying

microservices

Deployment with

containers and

schedulers

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Deploy Production

*Building a
delivery*

pipeline for

microservices

PART 4 - Nygard

Observability

and ownership

Building a

monitoring

system Using

logs and traces

to understand

behavior

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*Building
microservice
teams
Design Patterns
for Cloud
Native
Applications
From Programmer
to Software
Architect
Develop,
Deploy, and
Scale*

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*Design and
Deploy Producti
on-ready
Software
Design It!
A Practical
Guide to
Successful
Software
Projects
Build, Design,
and Deploy
Cloud-Native*

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It Design And
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Applications
Ready Software
and
Pragmatic
Microservices
Programmers
with Jakarta EE
Michael T Nygard
(English Edition)

The
overwhelming
majority of a
software
system's
lifespan is spent

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in use, not in
Ready Software
design or

Pragmatic
implementation.

Programmers
So, why does
Michael T. Nygard
conventional

wisdom insist
that software
engineers focus
primarily on the
design and
development of
large-scale

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computing
Ready Software
systems? In this
Pragmatic
collection of
Programmers
essays and
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articles, key
members of
Google's Site
Reliability Team
explain how and
why their
commitment to
the entire

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lifecycle has

enabled the

company to

successfully

build, deploy,

monitor, and

maintain some of

the largest

software systems

in the world.

You'll learn the

principles and

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Deploy Production
practices that
enable Google
Ready Software
Pragmatic
Programmers
Michael T. Nygard
more scalable,
reliable, and
efficient—lessons
directly
applicable to
your
organization.
This book is

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divided into four
sections: Introdu

ction—Learn what
site reliability
engineering is

and why it differs
from

conventional IT
industry

practices Principl
es—Examine the
patterns,

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Deploy Production

behaviors, and
Ready Software
areas of concern

Pragmatic
Programmers
that influence the
work of a site
reliability
Michael T Nygard

engineer (SRE) Pr
actices—Understa
nd the theory and
practice of an
SRE's day-to-day
work: building
and operating

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large distributed
Ready Software
computing
Pragmatic
systems Manage
Programmers
ment—Explore
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Google's best
practices for
training,
communication,
and meetings
that your
organization can
use

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Understand the
key challenges

and solutions

around building

microservices in

the enterprise

application

environment.

This book

provides a

comprehensive

understanding of

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It Design And
Deploy Production
microservices
Ready Software
architectural
Pragmatic
principles and
Programmers
how to use
Michael T Nygard
microservices in

real-world
scenarios.

Architectural
challenges using
microservices
with service
integration and

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API management
Ready Software
are presented

Pragmatic
and you learn
Programmers

how to eliminate
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the use of

centralized

integration

products such as

the enterprise

service bus (ESB)

through the use

of composite/inte

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gration

Ready Software
microservices.

Pragmatic
Programmers
Concepts in the
book are

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supported with

use cases, and
emphasis is put
on the reality that
most of you are
implementing in a
“brownfield”
environment in

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which you must
implement

Pragmatic

microservices

Programmers

alongside legacy

Michael T Nygard

applications with

minimal

disruption to

your business.

Microservices for

the Enterprise

covers state-of-

the-art

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techniques
Ready Software
around
Pragmatic
microservices
Programmers
messaging,
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service

development and
description,
service

discovery,
governance, and
data management
technologies and

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guides you
Ready Software

through the

Pragmatic
microservices

Programmers
design process.

Michael T. Nygard

Also included is

the importance of
organizing

services as core

versus atomic,

composite versus

integration, and

API versus edge,

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and how such
Ready Software
organization
Pragmatic
helps to eliminate
Programmers
the use of a
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central ESB and
expose services
through an API
gateway. What
You'll
Learn Design and
develop
microservices

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architectures
Ready Software
with confidence
Pragmatic
Put into practice
Programmers
the most modern
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techniques
around
messaging
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Apply the Service
Mesh pattern to
overcome inter-
service

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communication
Ready Software
challenges Apply
Pragmatic
battle-tested
Programmers
microservices
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security patterns
to address real-
world scenarios
Handle API
management,
decentralized
data
management, and

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observability
Ready Software
Who This Book Is
Pragmatic
For Developers
Programmers
and DevOps
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engineers

responsible for
implementing
applications
around a
microservices
architecture, and
architects and

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analysts who are
Ready Software
designing such
Pragmatic
systems

Programmers
Winner of the
Michael T Nygard
Shingo

Publication

Award Accelerate
your organization
to win in the
marketplace. How
can we apply
technology to

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drive business
value? For years,
we've been told
that the
performance of
software delivery
teams doesn't
matter?that it
can't provide a
competitive
advantage to our
companies.

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Through four
years of
groundbreaking
research to
include data
collected from
the State of
DevOps reports
conducted with
Puppet, Dr.
Nicole Forsgren,
Jez Humble, and

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Gene Kim set out
Ready Software
to find a way to
Pragmatic
measure software
Programmers
delivery

Michael T Nygard
performance?and
what drives

it?using rigorous
statistical

methods. This

book presents

both the findings

and the science

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behind that
research, making

the information

accessible for

readers to apply

in their own

organizations.

Readers will

discover how to

measure the

performance of

their teams, and

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Pragmatic
Programmers
Michael T Nygard

what capabilities
they should
invest in to drive
higher
performance.

This book is ideal
for management
at every level.

Don't engineer by
coincidence-
design it like you
mean it! Filled

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with practical
Ready Software
techniques,
Pragmatic
Design It! is the
Programmers
perfect
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introduction to
software
architecture for
programmers
who are ready to
grow their design
skills. Lead your
team as a

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software
Ready Software
architect, ask the
Pragmatic
right
Programmers
stakeholders the
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right questions,
explore design
options, and help
your team
implement a
system that
promotes the
right -ilities.

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Share your
design decisions,
facilitate
collaborative
design

workshops that
are fast, effective,
and fun-and
develop more
awesome
software! With
dozens of design

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methods,
Ready Software
examples, and
Pragmatic
Programmers
how, Design It!
Michael T. Nygard
shows you how
to become a
software
architect. Walk
through the core
concepts every
architect must
know, discover

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how to apply
them, and learn a
variety of skills

that will make
you a better

programmer,
leader, and
designer.

Uncover the big
ideas behind
software

architecture and

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gain confidence

Ready Software
working on

Pragmatic
projects big and

Programmers
small. Plan,

Michael T Nygard
design,

design,

implement, and

evaluate software

architectures and

collaborate with

your team,

stakeholders, and

other architects.

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Deploy Production

Identify the right
stakeholders and

understand their
needs, dig for

architecturally
significant

requirements,
write amazing

quality attribute
scenarios, and

make confident
decisions.

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Deploy Production

Choose
technologies
based on their
architectural
impact, facilitate
architecture-
centric design
workshops, and
evaluate
architectures
using lightweight,
effective

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Deploy Production
methods. Write
Ready Software
lean architecture
Pragmatic
Programmers
people love to
Michael T Nygard
read. Run an
architecture
design studio,
implement the
architecture
you've designed,
and grow your
team's

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Deploy Production
architectural
Ready Software
knowledge. Good
Pragmatic
design requires
Programmers
good
Michael T. Nygard
communication.

Talk about your
software
architecture with
stakeholders
using
whiteboards,
documents, and

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code, and apply a
Ready Software
rchitecture-

Pragmatic
Programmers
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focused design
methods in your
day-to-day

practice. Hands-
on exercises, real-
world scenarios,
and practical
team-based
decision-making
tools will get

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everyone on
board and give

you the
experience you

need to become a

confident

software

architect.

Ship it!

Deploy, manage,

and orchestrate

cloud-native

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applications with
ease
Ready Software
Pragmatic
Building Secure
Programmers
and Reliable
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Systems
Learning
Serverless
Reusable
Elements for
Designing Cloud-
Native
Applications

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Ready Software
Secure by Design

*"A comprehensive
overview of the
challenges teams
face when moving
to*

*microservices,
with industry-
tested solutions
to these*

*problems." - Tim
Moore, Lightbend*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael I Nygard
44 reusable
patterns to
develop and
deploy reliable
production-
quality microser
vices-based
applications,
with worked
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Key Features 44
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for building and
deploying

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Deploy Production
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Ready Software
applications
Drawing on
decades of
Programmers
unique
Michael T Nygard
experience from
author and
microservice
architecture
pioneer Chris
Richardson A
pragmatic
approach to the
benefits and the

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*drawbacks of
microservices*

architecture

Solve service

decomposition,

transaction

management, and

inter-service

communication

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print book

includes a free

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Kindle, and ePub

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formats from
Manning
Publications.

About The Book
Microservices
Patterns teaches
you 44 reusable
patterns to
reliably develop
and deploy produ
ction-quality mi
croservices-
based
applications.

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Deploy Production

Ready Software

Pragmatic Builds

Programmers

Michael I Nygard

*This invaluable
set of design
patterns builds
on decades of
distributed
system*

*experience,
adding new
patterns for
composing
services into
systems that
scale and
perform under*

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It Design And
Deploy Production
real-world
Ready Software
conditions. More
Pragmatic
than just a
Programmers
patterns
Michael T Nygard
catalog, this
practical guide
with worked
examples offers
industry-tested
advice to help
you design,
implement, test,
and deploy your
microservices-

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Deploy Production
based
application.

What You Will

Learn How (and

why!) to use

microservices

architecture

Service

decomposition

strategies

Transaction

management and

querying

patterns

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It Design And
Deploy Production
Effective
testing
strategies
Deployment
patterns This
Book Is Written
For Written for
enterprise
developers
familiar with
standard
enterprise
application
architecture.

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It Design And

*Examples are in
Java. About The
Author Chris*

*Richardson is a
Java Champion, a
JavaOne rock
star, author of
Manning's POJOs
in Action, and
creator of the
original CloudFo
undry.com. Table
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Escaping

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Decomposition
strategies
Interprocess
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a microservice
architecture
Managing
transactions
with sagas
Designing
business logic
in a
microservice

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Ready Software
Developing
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business logic
Programmers
with event
Michael Nygard
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microservices:

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Deploy Production
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production-ready
services
Programmers
Deploying
microservices
Refactoring to
microservices
Winner of the
2011 Jolt
Excellence
Award! Getting
software
released to

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Deploy Production
users is often a
painful, risky,
and time-
consuming
process. This
groundbreaking
new book sets
out the
principles and
technical
practices that
enable rapid,
incremental
delivery of high

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It Design And
Deploy Production
quality,
valuable new
functionality to
users. Through
automation of
the build,
deployment, and
testing process,
and improved
collaboration
between
developers,
testers, and
operations,

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Deploy Production
delivery teams
Ready Software
can get changes
Pragmatic
released in a
Programmer's
matter of hours—
Michael I Nygard
sometimes even
minutes—no
matter what the
size of a
project or the
complexity of
its code base.
Jez Humble and
David Farley
begin by

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It Design And
Deploy Production
presenting the
foundations of a
rapid, reliable,
low-risk
delivery
process. Next,
they introduce
the “deployment
pipeline,” an
automated
process for
managing all
changes, from
check-in to

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It Design And
Deploy Production
release.
Finally, they
discuss the
“ecosystem”
needed to
support
continuous
delivery, from
infrastructure,
data and
configuration
management to
governance. The
authors

Read Free Release
It Design And
Deploy Production
introduce state-
of-the-art
techniques,
including
automated
infrastructure
management and
data migration,
and the use of
virtualization.
For each, they
review key
issues, identify
best practices,

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Deploy Production
and demonstrate
Ready Software
how to mitigate
Pragmatic Coverage
Programmers
includes •
Automating all
Michael T Nygard
facets of
building,
integrating,
testing, and
deploying
software •
Implementing
deployment
pipelines at

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It Design And
Deploy Production
team and
organizational
levels •
Improving
collaboration
between
developers,
testers, and
operations •
Developing
features
incrementally on
large and
distributed

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It Design And
Deploy Production
teams •

*Implementing an
effective*

*configuration
management
strategy •*

*Automating
acceptance
testing, from
analysis to
implementation •*

*Testing capacity
and other non-
functional*

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It Design And

Deploy Production
requirements •

*Implementing
continuous*

*deployment and
zero-downtime
releases •*

*Managing
infrastructure,
data, components
and dependencies*

*• Navigating
risk management,
compliance, and
auditing Whether*

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you're a
developer,
systems
administrator,
tester, or
manager, this
book will help
your
organization
move from idea
to release
faster than
ever—so you can
deliver value to

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your business
Ready Software
rapidly and
Pragmatic
reliably.

Build modular
React web apps
that are
scalable,
maintainable and
powerful using
design patterns
and insightful
practices Key
Features Get
familiar with

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Deploy Production
design patterns
Ready Software
in React like
Pragmatic
Render props and
Programmer's
Controlled/uncon
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trolled inputs
Learn about
class/
functional,
style and high
order components
with React Work
through examples
that can be used
to create

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Deploy Production
*reusable code
and extensible
designs* Book

Description

*React is an
adaptable*

*JavaScript
library for
building complex
UIs from small,
detached bits
called*

*components. This
book is designed*

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It Design And
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Ready Software
Pragmatic
Programmers
Michael T. Rygaard

*to take you
through the most
valuable design
patterns in
React, helping
you learn how to
apply design
patterns and
best practices
in real-life
situations.
You'll get
started by
understanding*

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Ready Software
Pragmatic
Programmers
Michael I Nygard

*the internals of
React, in
addition to
covering Babel 7
and Create React
App 2.0, which
will help you
write clean and
maintainable
code. To build
on your skills,
you will focus
on concepts such
as class*

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It Design And
Deploy Production
components,
Ready Software
stateless
Programs
components, and
Programmers
pure components.
Michael I Nygard
You'll learn
about new React
features, such
as the context
API and React
Hooks that will
enable you to
build
components,
which will be

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It Design And
Deploy Production
*reusable across
your
applications.*
The book will
then provide
*insights into
the techniques
of styling React
components and
optimizing them
to make
applications
faster and more
responsive. In*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael I Nygard

*the concluding
chapters, you'll
discover ways to
write tests more
effectively and
learn how to
contribute to
React and its
ecosystem. By
the end of this
book, you will
be equipped with
the skills you
need to tackle*

Read Free Release
It Design And
Deploy Production
any
developmental
setbacks when
working with
React. You'll be
able to make
your
applications
more flexible,
efficient, and
easy to
maintain,
thereby giving
your workflow a

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It Design And
Deploy Production
boost when it
comes to speed,
without reducing
quality. What
you will learn
Get familiar
with the new
React
features, like
context API and
React Hooks
Learn the
techniques of
styling and

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It Design And
Deploy Production
*optimizing React
Ready Software
components Make
components
communicate with
each other by
applying
consolidate
patterns Use
server-side
rendering to
make
applications
load faster*
Write a

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comprehensive
Ready Software
set of tests to
Pragmatic
create robust
Programmer's
and maintainable
code Build high-
Michael T Nygard
performing
applications by
optimizing
components Who
this book is for
This book is for
web developers
who want to
increase their

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It Design And
Deploy Production
understanding of
Ready Software
React and apply
it to real-life
Pragmatic
application
Programmers
development.

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Prior experience
with React and
JavaScript is
assumed.

Build and deploy
scalable cloud
native
microservices
using the Spring

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It Design And
Deploy Production
*framework and
Kubernetes. KEY
FEATURES ?*

*Complete
coverage on how
to design,
build, run, and
deploy modern
cloud native
microservices. ?
Includes
numerous sample
code exercises
on*

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It Design And
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microservices,
Ready Software
Spring and
Kubernetes. ?
Develop a
Programmers
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Kubernetes,
Spring, and the
microservices
architecture. ?
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of application
containerization
on Kubernetes
containers. ?

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It Design And
Deploy Production
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Programmers
Coverage on
managing modern
applications and
infrastructure
using
Michael T Nygard
observability
tools.

DESCRIPTION The
main objective
of this book is
to give an
overview of
cloud native
microservices,

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It Design And
Deploy Production
their
Ready Software
architecture,
Pragmatic
design patterns,
Programmer's
best practices,
Michael T Nygard
real use cases
and practical
coverage of
modern
applications.
This book covers
a strong
understanding of
the fundamentals
of

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It Design And
Deploy Production
microservices,
Ready Software
API first
approach,
Testing,
Programmers
observability,
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API Gateway,
Service Mesh and
Kubernetes
alternatives of
Spring Cloud.
This book covers
the
implementation
of various

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It Design And
Deploy Production
*design patterns
of developing
cloud native
microservices
using Spring
framework docker
and Kubernetes
libraries. It
covers
containerization
concepts and
hands-on lab
exercises like
how to build,*

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It Design And
Deploy Production
run and manage
Ready Software
microservices
applications
Programmers
using
Kubernetes.

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After reading
this book, the
readers will
have a holistic
understanding of
building,
running, and
managing cloud
native

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It Design And
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microservices
Ready Software
applications on
Kubernetes

containers. **WHAT**
YOU WILL LEARN ?
Learn

fundamentals of
microservice and
design patterns.
? Learn

microservices
development
using Spring
Boot and

Read Free Release
It Design And
Deploy Production
Kubernetes. ?

Learn to develop
reactive, event-
driven, and
batch

microservices. ?

Perform end-to-
end

microservices

testing using

Cucumber. ?

Implement API ga
teway, authentica
tion & authoriza

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Deploy Production
tion, load
balancing,
caching, rate
limiting.?

Learn
Michael T Nygard
observability
and monitoring
techniques of
microservices.

WHO THIS BOOK IS
FOR This book is
for the Spring
Developers,
Microservice

Read Free Release
It Design And
Deploy Production
Developers,
Cloud Engineers,
DevOps
Consultants,
Technical
Architect and
Solution
Architects, who
have some
familiarity with
application
development,
Docker and
Kubernetes

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containers.

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Systems Across
an Engineering
Organization
Data Governance
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Reliable
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With the
immense cost

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Programmers
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*savings and
scalability the
cloud provides,
the rationale
for building
cloud native
applications is
no longer in
question. The
real issue is
how. With this
practical
guide,*

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Ready Software
Pragmatic
Programmers
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*developers will
learn about the
most commonly
used design
patterns for
building cloud
native
applications
using APIs,
data, events,
and streams in
both greenfield
and brownfield*

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Deploy Production
development.
Ready Software
You'll learn
Pragmatic
how to
Programmers
incrementally
Michael T Nygard
design,
develop, and
deploy large
and effective
cloud native
applications
that you can
manage and
maintain at

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It Design And
Deploy Production
*scale with
minimal cost,
time, and
effort. Authors
Michael T. Nygard
Kasun Indrasiri
and
Sriskandarajah
Suhothayan
highlight use
cases that
effectively
demonstrate the
challenges you*

Read Free Release
It Design And
Deploy Production
*might encounter
at each step.
Learn the
fundamentals of
cloud native
applications
Explore key
cloud native
communication,
connectivity,
and composition
patterns Learn
decentralized*

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It Design And
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Ready Software
techniques Use
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Programmers
architecture to
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build
distributed and
scalable cloud
native
applications
Explore the
most commonly
used patterns
for API

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*management and
consumption*
Ready Software
Pragmatic
*Examine some of
the tools and
technologies
you'll need for
building cloud
native systems*
Unleash the
*combination of
Docker and
Jenkins in
order to*

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Deploy Production
*enhance the
DevOps workflow
About This Book
Build reliable
and secure
applications
using Docker
containers.
Create a
complete
Continuous
Delivery
pipeline using*

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Deploy Production
Docker,
Ready Software
Jenkins, and
Pragmatic
Ansible.
Programmers
Michael T Nygard
Deliver your
applications
directly on the
Docker Swarm
cluster. Create
more complex
solutions using
multi-
containers and
database

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migrations. Who
Ready Software
This Book Is
Pragmatic
For This book
Programmers
is indented to
Michael T Nygard
provide a full
overview of
deep learning.
From the
beginner in
deep learning
and artificial
intelligence to
the data

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Programmers
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*scientist who
wants to become
familiar with
Theano and its
supporting
libraries, or
have an
extended
understanding
of deep neural
nets. Some
basic skills in
Python*

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programming and
Ready Software
computer
Pragmatic
science will
Programmers
help, as well
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as skills in
elementary
algebra and
calculus. What
You Will Learn
Get to grips
with docker
fundamentals
and how to

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Programmers
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dockerize an
application for
the Continuous
Delivery
process
Configure
Jenkins and
scale it using
Docker-based
agents
Understand the
principles and
the technical

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pipeline Create
a complete
Continuous
Delivery
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Managing
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process and
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understand
effective
frameworks such
as Cucumber and
Flyweight Build
clustering
applications
with Jenkins
using Docker

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Programmers
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*Swarm Publish a
built Docker
image to a
Docker Registry
and deploy
cycles of
Jenkins
pipelines using
community best
practices In
Detail The
combination of
Docker and*

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Deploy Production
Jenkins

*improves your
Continuous*

Delivery

*pipeline using
fewer*

*resources. It
also helps you
scale up your
builds,*

*automate tasks
and speed up*

Jenkins

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Deploy Production
performance
Ready Software
with the
Pragmatic
benefits of
Programmers
Docker container
Michael T Nygard
ization. This
book will
explain the
advantages of
combining
Jenkins and
Docker to
improve the
continuous

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Deploy Production
*integration and
delivery
process of app
development. It
will start with
setting up a
Docker server
and configuring
Jenkins on it.
It will then
provide steps
to build
applications on*

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Deploy Production
Ready Software
Pragmatic
Programmers
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*Docker files
and integrate
them with
Jenkins using
continuous
delivery
processes such
as continuous
integration,
automated
acceptance
testing, and
configuration*

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Deploy Production
management.

*Moving on you
will learn how
to ensure quick
application
deployment with
Docker
containers
along with
scaling Jenkins
using Docker
Swarm. Next,
you will get to*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*know how to
deploy
applications
using Docker
images and
testing them
with Jenkins.
By the end of
the book, you
will be
enhancing the
DevOps workflow
by integrating*

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It Design And
Deploy Production
the
Ready Software
Pragmatic
Programmers
Michael T Nygard

*The book is
aimed at DevOps
Engineers,
developers and
IT Operations
who want to
enhance the
DevOps culture*

Read Free Release
It Design And
Deploy Production
*using Docker
and Jenkins.*

*Pragmatic
Programmers
Michael T Nygard*
Deploy
*serverless and
scalable cloud-
native*

*applications
with Jakarta EE*

KEY FEATURES [?]

*Example-driven
approach*

crafted

specially for

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Deploy Production

*developers and
architects. [?]*

*Covers all core
areas for cloud-
native*

development. [?]

*Step-by-step
implementation
of core*

*concepts,
including*

application

scalability and

Read Free Release
It Design And
Deploy Production
security,
Ready Software
serverless, and
Pragmatic
containerizatio
n. DESCRIPTION

Michael T Nygard
The book helps
readers to get
a basic
understanding
of features
provided by the
cloud and core
concepts of
cloud native

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Ready Software
Pragmatic
Programmers
Michael T Nygard

*development. A
hands-on
approach makes
sure that after
reading the
book, one can
straight away
implement the
concepts in
their daily
design and
development
activities. The*

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Ready Software
Pragmatic
Programmers
Michael T Nygard

*book starts
with the basics
of cloud
computing and
moves on to
understanding
the core
concepts to
create a produc
tion-ready
cloud-native
application.
The book helps*

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readers to
Ready Software
develop a code
Pragmatic
that is
Programmers
testable and
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maintainable to
support Agile
cloud native
development.
This book also
talks about the
security and
scalability
aspects of


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Deploy Production
applications
Ready Software
which are the
Pragmatic
backbone of any
Programmers
large-scale
Michael T Nygard
application.

The book covers
advanced cloud-
native
application
development
approaches
using
containers and

Read Free Release
It Design And
Deploy Production
serverless
Ready Software
approaches. The
Pragmatic
book will help
Programmers
readers to get
Michael T Nygard
ready for a
cloud-native
development
journey.
Whether one is
creating a
small
application or
a large-scale

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Deploy Production
application,
Ready Software
core concepts
Pragmatic
explained in
Programmers
this book
Michael T Nygard

remain relevant
and will work
as a guiding
light for
developers and
architects.

**WHAT YOU WILL
LEARN** 

Explains the

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It Design And
Deploy Production
core features
Ready Software
that are part
Pragmatic
of cloud
computing. [?]

Michael T Nygard
Build
applications
that are fast
to market due
to testability
and maintainabi
lity. [?] Build
applications
that are

Read Free Release
It Design And

Deploy Production
secured against
Ready Software
vulnerabilities

Pragmatic
[?] Build
Programmers
that are easy
Michael T Nygard

to scale. WHO
THIS BOOK IS
FOR The book is
meant for
software
developers,
architects, and
technical

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*readers who
want to learn
about Cloud-
based
application
development.
Basic knowledge
of the Java
programming
language or
Jakarta EE
platform is
expected to*

Read Free Release
It Design And
Deploy Production
*understand code
examples used
in the book.*

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Cloud 3. Major

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Ready Software
EE 5. Testing
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Programmers 6.
Michael T Nygard
Continuous
Integration and
Continuous
Delivery 7.
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Based
Applications 8.
Scalability 9.
Monitoring,

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It Design And

Deploy Production

*Alerting, and
Reporting 10.*

Containers 11.

Serverless

Computing 12.

*Best Practices
for Developing*

*Cloud-Native
Applications*

A single

dramatic

software

failure can

Read Free Release
It Design And
Deploy Production
*cost a company
millions of
dollars – but
can be avoided
with simple
changes to
design and
architecture.
This new
edition of the
best-selling
industry
standard shows*

Read Free Release
It Design And
Deploy Production
*you how to
create systems
that run
longer, with
fewer failures,
and recover
better when bad
things happen.
New coverage
includes
DevOps,
microservices,
and cloud-*

Read Free Release
It Design And
Deploy Production
native
Ready Software
architecture.
Pragmatic
Stability
Programmers
antipatterns
Michael T Nygard
have grown to
include
systemic
problems in
large-scale
systems. This
is a must-have
pragmatic guide
to engineering

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It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*for production
systems. If
you're a
software
developer, and
you don't want
to get alerts
every night for
the rest of
your life, help
is here. With a
combination of
case studies*

Read Free Release
It Design And
Deploy Production
about huge
losses - lost
revenue, lost
reputation,
lost time, lost
opportunity -
and practical,
down-to-earth
advice that was
all gained
through painful
experience,
this book helps

Read Free Release
It Design And
Deploy Production
you avoid the
pitfalls that
cost companies
millions of
dollars in
downtime and
reputation.

Eighty percent
of project life-
cycle cost is
in production,
yet few books
address this

Read Free Release
It Design And
Deploy Production
topic. This
Ready Software
updated edition
Pragmatic
deals with the
Programmers
production of
Michael T Nysgard
today's systems
- larger, more
complex, and
heavily
virtualized -
and includes
information on
chaos
engineering,

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It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*the discipline
of applying
randomness and
deliberate
stress to
reveal
systematic
problems. Build
systems that
survive the
real world,
avoid downtime,
implement zero-*

Read Free Release
It Design And
Deploy Production
downtime
Ready Software
upgrades and
Pragmatic
continuous
Programmers
delivery, and
Michael T Nygard
make cloud-
native
applications
resilient.
Examine ways to
architect,
design, and
build software
- particularly

Read Free Release
It Design And
Deploy Production
distributed
Ready Software
systems - that
Pragmatic
stands up to
Programmers
the typhoon
winds of a
Michael T Nygard
flash mob, a
Slashdotting,
or a link on
Reddit. Take a
hard look at
software that
failed the test
and find ways

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It Design And
Deploy Production

*to make sure
your software
survives. To
skip the pain
and get the exp
erience...get
this book.*

*Essential Tools
and Best
Practices for
Deploying Code
to Production
Design, build*

Read Free Release
It Design And
Deploy Production
and deploy prod
Ready Software
uction-ready
Pragmatic
web
Programmers
applications
Michael T Nygard
using standard
industry
practices, 2nd
Edition
Accelerate
Kubernetes
Operators
Automating
mobile

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

Patterns

*Terraform: Up &
Running*

*How do today's
most successful
tech companies—A
mazon, Google,
Facebook, Netflix,*

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Deploy Production

Ready Software
Pragmatic

Programmers
Michael T. Nygard

products that have

earned the love of

literally billions of

people around the

world? Perhaps

surprisingly, they

do it very

differently than the

vast majority of

tech companies. In

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It Design And

Deploy Production

Ready Software

Pragmatic
product

managers

thought leader

Marty Cagan

provides readers

with a master

class in how to

structure and staff

a vibrant and

successful

product

Read Free Release
It Design And
Deploy Production
**organization, and
how to discover
and deliver
technology
products that your
customers will
love—and that will
work for your
business. With
sections on
assembling the
right people and
skillsets,**

Read Free Release
It Design And

Deploy Production

*discovering the
right product,*

embracing an

effective yet

lightweight Nygard

process, and

creating a strong

product culture,

readers can take

the information

they learn and

immediately

leverage it within

Read Free Release
It Design And
Deploy Production
**their own organiza
tions—dramatically
improving their
own product
efforts. Whether
you're an early
stage startup
working to get to
product/market fit,
or a growth-stage
company working
to scale your
product**

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Deploy Production
*organization, or a
large, long-
established
company trying to
regain your ability
to consistently
deliver new value
for your
customers,
INSPIRED will take
you and your
product
organization to a*

Read Free Release
It Design And
Deploy Production
*new level of
customer
engagement,
consistent
innovation, and
business success.
Filled with the
author's own
personal
stories—and
profiles of some of
today's most-
successful*

Read Free Release
It Design And
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**product managers
and technology-
powered product
companies,
including Adobe,
Apple, BBC,
Google, Microsoft,
and
Netflix—INSPIRED
will show you how
to turn up the dial
of your own
product efforts,**

Read Free Release
It Design And
Deploy Production
**creating
technology
products your
customers love.**

*The first edition of
INSPIRED,
published ten
years ago,
established itself
as the primary
reference for
technology
product managers,*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

***and can be found
on the shelves of
nearly every
successful
technology
product company
worldwide. This
thoroughly
updated second
edition shares the
same objective of
being the most
valuable resource***

Read Free Release
It Design And
Deploy Production
*for technology
product managers,
yet it is completely
new—sharing the
latest practices
and techniques of
today's most-
successful tech
product
companies, and
the men and
women behind
every great*

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It Design And
Deploy Production
product.

*Whether your
company is
considering
serverless
computing or has
already made the
decision to adopt
this model, this
practical book is
for you. Author
Jason Katzer
shows early- and*

Read Free Release
It Design And
Deploy Production
*mid-career
developers what's
required to build
and ship
maintainable and
scalable services
using this model.
With this book,
you'll learn how to
build a modern
production system
in the cloud,
viewed through*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

***the lens of
serverless
computing. You'll
discover how
serverless can free
you from the
tedious task of
setting up and
maintaining
systems in
production. You'll
also explore new
ways to level up***

Read Free Release
It Design And
Deploy Production
***your career and
design, develop,
and deploy with
confidence. In
three parts, this
book includes: The
Path to
Production:
Examine the ins
and outs of
distributed
systems,
microservices,***

Read Free Release
It Design And
Deploy Production
*interfaces, and
serverless
architecture and
patterns* The
Tools: Dive into
*monitoring,
observability and
alerting, logging,
pipelines,
automation, and
deployment*
Concepts: Learn
how to design

Read Free Release
It Design And

Deploy Production

security and

privacy, how to

manage quality

through testing

and staging, and

how to plan for

failure

Provides

information on the

features,

functions, and

implementation of

Active Directory.

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It Design And

Deploy Production

***One of the biggest
challenges for***

organizations that

have adopted

microservice

architecture is the

lack of

architectural,

operational, and

organizational

standardization.

After splitting a

monolithic

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It Design And
Deploy Production
*application or
building a
microservice
ecosystem from
scratch, many
engineers are left
wondering what's
next. In this
practical book,
author Susan
Fowler presents a
set of microservice
standards in*

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

***depth, drawing
from her
experience
standardizing over
a thousand
microservices at
Uber. You'll learn
how to design
microservices that
are stable, reliable,
scalable, fault
tolerant,
performant,***

Read Free Release
It Design And
Deploy Production
monitored,
documented, and
prepared for any
catastrophe.

Explore production
n-readiness
standards,
including: Stability
and Reliability:
develop, deploy,
introduce, and
deprecate
microservices;

Read Free Release
It Design And
Deploy Production
*protect against
dependency
failures Scalability
and Performance:
learn essential
components for
achieving greater
microservice
efficiency Fault
Tolerance and
Catastrophe
Preparedness:
ensure availability*

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It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Michael T. Nygard

***by actively
pushing
microservices to
fail in real time
Monitoring: learn
how to monitor,
log, and display
key metrics;
establish alerting
and on-call
procedures
Documentation
and***

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It Design And

Deploy Production

***Understanding:
mitigate tradeoffs
that come with***

microservice

adoption, Nygard

including

organizational

sprawl and

technical debt

How Google Runs

Production

Systems

Cloud Foundry:

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

***The Definitive
Guide
Designing
Distributed
Systems
Site Reliability
Engineering
Build Capability to
Design, Deploy,
Monitor, and
Sustain Enterprise
Software Systems
at Scale (English***

Read Free Release
It Design And
Deploy Production
Edition)
Ready Software
Pragmatic
Production-Ready
Software
Programmers
Writing T Nygard
Infrastructure as
Code

A comprehensive
guide with basic
to advanced SRE
practices and
hands-on

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It Design And

Deploy Production

examples. KEY

FEATURES

Demonstrates

how to execute

site reliability

engineering

along with

fundamental

concepts.

Illustrates real-

world examples

and successful

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It Design And

Deploy Production
techniques to put
Ready Software
SRE into
Pragmatic
production.

Introduces you
to DevOps,
Michael T Nygard

advanced

techniques of

SRE, and popular
tools in use.

DESCRIPTION

Hands-on Site

Reliability

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Read Free Release
It Design And
Deploy Production
Engineering
(SRE) brings
you a tailor-
made guide to
learn and
practice the
essential
activities for the
smooth
functioning of
enterprise
systems, right

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It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

from designing
to the
deployment of
enterprise
software

programs and
extending to
scalable use with
complete
efficiency and
reliability. The
book explores

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It Design And
Deploy Production
the fundamentals
Ready Software
around SRE and
Pragmatic
related terms,
Programmers
concepts, and
Michael T Nygard
techniques that
are used by SRE
teams and
experts. It
discusses the
essential
elements of an
IT system,

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It Design And
Deploy Production
including
Ready Software
microservices,
Pragmatic
application
Programmers
architectures,
Michael T Nygard
types of
software
deployment, and
concepts like
load balancing. It
explains the best
techniques in
delivering timely

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It Design And
Deploy Production
software
Ready Software
releases using
Pragmatic
containerization
Programmers
and CI/CD
Michael T Nygard
pipeline. This
book covers how
to track and
monitor
application
performance
using Grafana,
Prometheus, and

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It Design And
Deploy Production

Kibana along
with how to
extend
monitoring more
effectively by
building full-
stack

observability into
the system. The
book also talks
about chaos
engineering,

Read Free Release
It Design And

Deploy Production

types of system

failures, design

for high-

availability,

DevSecOps and

AIOps. WHAT

YOU WILL

LEARN Learn

the best

techniques and

practices for

building and

Read Free Release
It Design And
Deploy Production
running reliable
Ready Software
software.

Pragmatic
Explore
Programmers
observability and
Michael T Nygard
popular methods
for effective
monitoring of
applications.

Workaround
SLIs, SLOs,
Error Budgets,
and Error Budget

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It Design And
Deploy Production

Policies to
manage failures.

Learn to
practice
continuous
software

delivery using
blue/green and
canary
deployments.

Explore chaos
engineering, SRE

Read Free Release
It Design And

Deploy Production

best practices,
Ready Software
DevSecOps and

Pragmatic
AIOps. WHO
Programmers

THIS BOOK IS

FOR This book

caters to

experienced IT

professionals,

application

developers,

software

engineers, and

Read Free Release
It Design And

Deploy Production

all those who are
looking to

develop SRE
capabilities at

the individual or
team level.

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Understand the
World of IT 2.
Introduction to
DevOps 3.

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Read Free Release
It Design And

Deploy Production

Introduction to
SRE 4. Identify
and Eliminate

Toil 5. Release
Engineering 6.

Incident

Management 7.

IT Monitoring 8.

Observability 9.

Key SRE KPIs:

SLAs, SLOs,

SLIs, and Error

Read Free Release
It Design And
Deploy Production
Budgets 10.

Chaos

Engineering 11.

DevSecOps and

AIOps 12.

Culture of Site

Reliability

Engineering

APIs are

transforming the

business world

at an increasing

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It Design And
Deploy Production
pace. Gain the
Ready Software
essential skills
Pragmatic
needed to
Programmers
quickly design,
Michael T Nygard
build, and deploy
quality web APIs
that are robust,
reliable, and
resilient. Go
from initial
design through
prototyping and

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It Design And
Deploy Production
implementation
Ready Software
to deployment of
Pragmatic
mission-critical
Programmers
APIs for your
Michael T. Nygard
organization.

Test, secure,
and deploy your
API with
confidence and
avoid the
"release into
production"

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It Design And
Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

panic. Tackle
just about any
API challenge
with more than a
dozen open-
source utilities
and common
programming
patterns you can
apply right away.
Good API design
means starting

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It Design And
Deploy Production
with the API-
Ready Software
First principle -
Pragmatic
Programmers
who is using the
Michael T Nygard
API and what
they want to do
with it - and
applying basic
design skills to
match
customers'
needs while

Read Free Release
It Design And

Deploy Production

solving business-
critical problems.

Use the Sketch-

Design-Build

method to create

reliable and

scalable web

APIs quickly and

easily without a

lot of risk to the

day-to-day

business

Read Free Release
It Design And
Deploy Production
operations.
Ready Software
Create clear
Pragmatic
sequence
Programmers
diagrams,
Michael T Nygard
accurate
specifications,
and machine-
readable API
descriptions all
reviewed, tested,
and ready to turn
into fully-

Read Free Release
It Design And
Deploy Production
functional
NodeJS code.

Create reliable
test collections
with Postman
and implement
proper identity
and access
control security
with AuthO-
without added
cost or risk to

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It Design And
Deploy Production
the company.

Deploy all of this
to Heroku using
a continuous
delivery

approach that
pushes secure,
well-tested code
to your public
servers ready
for use by both
internal and

Read Free Release
It Design And
Deploy Production

external
developers.

From design to
code to test to
deployment,

unlock hidden
business value
and release

stable and
scalable web
APIs that meet
customer needs

Read Free Release
It Design And
Deploy Production
and solve
Ready Software
important
Pragmatic
business
Programmers
problems in a
Michael T Nygard
consistent and
reliable manner.

Increase
profitability,
elevate work
culture, and
exceed
productivity

Read Free Release
It Design And

Deploy Production

goals through
Ready Software

DevOps
Pragmatic

practices. More
Programmers
than ever, the
Michael T Nygard
effective

management of
technology is
critical for
business
competitiveness.

For decades,
technology

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It Design And
Deploy Production
leaders have
struggled to
balance agility,
reliability, and
security. The
consequences of
failure have
never been
greater whether
it's the
healthcare.gov
debacle,

Read Free Release
It Design And

Deploy Production

cardholder data

breaches, or

missing the boat

with Big Data in

the cloud. And

yet, high

performers using

DevOps

principles, such

as Google,

Amazon,

Facebook, Etsy,

Read Free Release
It Design And

Deploy Production

and Netflix, are
Ready Software
routinely and
Pragmatic
reliably

Programmers,
Michael T. Nygard
deploying code
into production

hundreds, or
even thousands,
of times per day.

Following in the
footsteps of The
Phoenix Project,
The DevOps

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It Design And
Deploy Production
Handbook shows
Ready Software
leaders how to
Pragmatic
Programmers
replicate these
incredible
Michael T Nygard
outcomes, by
showing how to
integrate Product
Management,
Development,
QA, IT
Operations, and
Information

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It Design And
Deploy Production
Security to
Ready, Software
Pragmatic
Programmers
Michael T. Nygard
elevate your
company and win
in the
marketplace.

Operators are a
way of
packaging,
deploying, and
managing
Kubernetes
applications. A

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It Design And
Deploy Production
Kubernetes
Ready Software
application
Pragmatic
doesn't just run
Programmers
on Kubernetes;
Michael T Nygard
it's composed
and managed in
Kubernetes
terms. Operators
add application-
specific
operational
knowledge to a

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It Design And
Deploy Production
Kubernetes

Ready Software
Pragmatic
Programmers
Michael T Nygard
cluster, making it
easier to
automate
complex, stateful
applications and
to augment the
platform.

Operators can
coordinate
application
upgrades

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It Design And
Deploy Production
seamlessly,
Ready Software
react to failures
Pragmatic
automatically,
Programmers
and streamline
Michael T Nygard
repetitive
maintenance like
backups. Think
of Operators as
site reliability
engineers in
software. They
work by

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It Design And

Deploy Production

extending the

Ready Software

Kubernetes

Pragmatic
control plane and

Programmers
API, helping

Michael T Nygard

systems

integrators,

cluster

administrators,

and application

developers

reliably deploy

and manage key

Read Free Release
It Design And
Deploy Production
services and
Ready Software
components.

Using real-world
Pragmatic
Programmers
examples,
Michael T. Nygard
authors Jason

Dobies and
Joshua Wood
demonstrate how
to use Operators
today and how to
create Operators
for your

Read Free Release
It Design And
Deploy Production
applications with
Ready Software
the Operator
Pragmatic
Framework and
Programmers
SDK. Learn how
Michael T. Nygard
to establish a
Kubernetes
cluster and
deploy an
Operator
Examine a range
of Operators
from usage to

Read Free Release
It Design And
Deploy Production
implementation
Ready Software
Explore the
Pragmatic
three pillars of
Programmers
the Operator
Michael T Nygard
Framework: the
Operator SDK,
the Operator
Lifecycle
Manager, and
Operator
Metering Build
Operators from

Read Free Release
It Design And
Deploy Production
the ground up
using the
Operator SDK
Build, package,
and run an
Operator in
development,
testing, and
production
phases Learn
how to distribute
your Operator

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It Design And

Deploy Production

for installation
Ready Software
on Kubernetes
Pragmatic
clusters

Programmers

Aligning
Michael T Nygard

Principles,
Practices, and
Culture

The DevOps
Handbook

Continuous
Delivery with
Docker and

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Deploy Production
Jenkins
Ready Software
Kubernetes
Pragmatic
Patterns
Programmers
Microservices
Michael T Nygard
for the
Enterprise
Comparing,
Designing, and
Deploying VPNs
Design and Build
Great Web APIs
Continuous

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Deploy Production

delivery adds
enormous value to

Ready Software
Pragmatic
the business and

Programmers
the entire software
delivery lifecycle,

Michael T. Nygard
but adopting this

practice means

mastering new

skills typically

outside of a

developer's

comfort zone. In

Read Free Release
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Deploy Production

this practical book,

Ready Software

Daniel Bryant and

Pragmatic

Abraham Mar í n-

Programmers

P é rez provide

Michael T Nygard

guidance to help

experienced Java

developers master

skills such as

architectural

design, automated

quality assurance,

and application

Read Free Release
It Design And
Deploy Production
packaging and
Ready Software
deployment on a
Pragmatic
variety of
Programmers
platforms. Not only
Michael T Nygard
will you learn how
to create a
comprehensive
build pipeline for
continually
delivering effective
software, but you'll
also explore how

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Java application
Ready Software
Pragmatic
Programmers
Michael T. Nygard
architecture and
deployment
platforms have
affected the way
we rapidly and
safely deliver new
software to
production
environments. Get
advice for
beginning or

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Deploy Production
completing your
Ready, Software
migration to
Pragmatic
continuous
Programmers
delivery Design
Michael T Nygard
architecture to

enable the
continuous
delivery of Java
applications Build
application
artifacts including
fat JARs, virtual

Read Free Release
It Design And
Deploy Production
machine images,
Ready Software
and operating
Pragmatic
system container
Programmers
(Docker) images
Michael T Nygard
Use continuous
integration tooling
like Jenkins, PMD,
and find-sec-bugs
to automate code
quality checks
Create a
comprehensive

Read Free Release
It Design And

Deploy Production

build pipeline and
Ready Software
design software to

Pragmatic
Programmers
separate the
Michael T Nygard
deploy and release
processes Explore

why functional and
system quality

attribute testing is
vital from

development to
delivery Learn how

to effectively build

Read Free Release
It Design And
Deploy Production
and test
Ready Software
applications locally
Pragmatic
and observe your
Programmers
system while it
Michael T Nygard
runs in production

The way
developers design,
build, and run
software has
changed
significantly with
the evolution of

Read Free Release
It Design And
Deploy Production
microservices and
Ready Software
containers. These
Pragmatic
modern
Programmers
architectures use
Michael T. Nygard
new primitives that
require a different
set of practices
than most
developers, tech
leads, and
architects are
accustomed to.

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Deploy Production

With this focused
guide, Bilgin

Ibryam and Roland

Huß from Red Hat

Michael T Nygard
provide common

reusable elements,

patterns,

principles, and

practices for

designing and

implementing

cloud-native

Read Free Release
It Design And
Deploy Production
applications on
Kubernetes. Each
pattern includes a
description of the
problem and a
proposed solution
with Kubernetes
specifics. Many
patterns are also
backed by
concrete code
examples. This

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book is ideal for
Ready Software
developers already

Pragmatic
familiar with basic

Programmers
Kubernetes

Michael T Nygard
concepts who

want to learn

common cloud

native patterns.

You'll learn about

the following

pattern categories:

Foundational

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patterns cover the
core principles and

practices for

building container-
based cloud-native

applications.

Behavioral

patterns explore

finer-grained

concepts for

managing various

types of container

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and platform
Ready Software
interactions.

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Programmers
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Structural patterns
help you organize
containers within a
pod, the atom of
the Kubernetes
platform.

Configuration
patterns provide
insight into how
application

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configurations can
Ready Software
be handled in
Pragmatic
Kubernetes.

Advanced patterns
Programmers
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covers more

advanced topics
such as extending
the platform with
operators.

Terraform has
become a key
player in the

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DevOps world for
Ready Software
defining,
Pragmatic
launching, and
Programmers
managing

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infrastructure as
code (IaC) across
a variety of cloud
and virtualization
platforms,
including AWS,
Google Cloud,
Azure, and more.

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This hands-on
second edition,
expanded and
thoroughly
updated for

Terraform version
0.12 and beyond,
shows you the
fastest way to get
up and running.

Gruntwork
cofounder

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Yevgeniy (Jim)

Brikman walks you

through code

examples that

demonstrate

Terraform's

simple, declarative

programming

language for

deploying and

managing

infrastructure with

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a few commands.
Ready Software
Veteran
Pragmatic
sysadmins,
Programmers
DevOps
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engineers, and
novice developers
will quickly go from
Terraform basics
to running a full
stack that can
support a massive
amount of traffic

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and a large team
of developers.

Explore changes
from Terraform 0.9
through 0.12,

including

backends,

workspaces, and

first-class

expressions Learn

how to write

production-grade

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Terraform modules
Ready Software

Dive into manual

Pragmatic
and automated

Programmers
testing for

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Terraform code

Compare

Terraform to Chef,

Puppet, Ansible,

CloudFormation,

and Salt Stack

Deploy server

clusters, load

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balancers, and
databases Use
Terraform to
manage the state
of your

infrastructure

Create reusable
infrastructure with
Terraform modules
Use advanced
Terraform syntax
to achieve zero-

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downtime

Ready Software
deployment

Pragmatic
Provides

Programmers
information on

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ways to effectively

design and release

an application.

Designing and

Deploying Triple-

Play Services

A Software

Architect's

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Deploy Production
Perspective
Ready Software
React Design
Pragmatic
Patterns and Best
Programmers
Practices
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Broadband
Network
Architectures
Continuous
Delivery in Java
A Guide for
Secure Design
and Deployment

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Practical Cloud
Ready Software
Security

*Every enterprise
application creates
data, whether it's*

*log messages,
metrics, user
activity, outgoing
messages, or
something else.*

*And how to move
all of this data*

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*becomes nearly as
important as the
data itself. If you're
an application
architect,
developer, or
production engineer
new to Apache
Kafka, this practical
guide shows you
how to use this
open source
streaming platform*

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to handle real-time
Ready Software
data feeds.

Pragmatic
Engineers from
Confluent and

LinkedIn who are

responsible for
developing Kafka
explain how to
deploy production
Kafka clusters,
write reliable event-
driven

microservices, and

Read Free Release
It Design And
Deploy Production
*build scalable
stream-processing
applications with
this platform.*

*Through detailed
examples, you'll
learn Kafka's design
principles, reliability
guarantees, key
APIs, and
architecture details,
including the
replication protocol,*

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Programmers
the controller, and
the storage layer.

Understand publish-
subscribe

messaging and how
it fits in the big data
ecosystem. Explore
Kafka producers
and consumers for
writing and reading
messages

Understand Kafka
patterns and use-

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Deploy Production

*case requirements
to ensure reliable*

data delivery Get

best practices for

building data

pipelines and

applications with

Kafka Manage

Kafka in production,

and learn to

perform monitoring,

tuning, and

maintenance tasks

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*Learn the most
critical metrics*

among Kafka's

operational

measurements

Explore how Kafka's

stream delivery

capabilities make it

a perfect source for

stream processing

systems

The First Complete

Guide to DevOps

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Deploy Production
for Software
Ready Software
Architects DevOps
Pragmatic
promises to
accelerate the
Programmers
release of new
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software features
and improve
monitoring of
systems in
production, but its
crucial implications
for software
architects and

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architecture are
often ignored. In

Ready Software
Pragmatic
DevOps: A Software
Architect's

Programmers
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Perspective, three
leading architects
address these
issues head-on. The

authors review
decisions software
architects must

make in order to
achieve DevOps'

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Deploy Production
Ready Software
Pragmatic
Programmers
Michael T Nygard

*goals and clarify
how other DevOps
participants are
likely to impact the
architect's work.*

*They also provide
the organizational,
technical, and
operational context
needed to deploy
DevOps more
efficiently, and
review DevOps'*

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Deploy Production

*impact on each
development*

Ready Software

Pragmatic
phase. The authors

Programmers
address cross-

Mitchell T. Nygard
cutting concerns

that link multiple

functions, offering

practical insights

into compliance,

performance,

reliability,

repeatability, and

security. This guide

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*demonstrates the
authors' ideas in*

action with three

real-world case

studies: datacenter

replication for

business continuity,

management of a

continuous

deployment

pipeline, and

migration to a

microservice

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architecture.

Comprehensive
Pragmatic
coverage includes •
Why DevOps can
require major
changes in both
system architecture
and IT roles • How
virtualization and
the cloud can
enable DevOps
practices •
Integrating

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*operations and its
service lifecycle*

into DevOps •

Designing new

systems to work

well with DevOps

practices •

Integrating DevOps

with agile methods

and TDD • Handling

failure detection,

upgrade planning,

and other key

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*issues • Managing
consistency issues
arising from*

DevOps'

independent

deployment models

*• Integrating
security controls,
roles, and audits
into DevOps •*

*Preparing a
business plan for
DevOps adoption,*

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*rollout, and
measurement*
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Programmers
Michael T Nygard
*With their rapidly
changing
architecture and
API-driven
automation, cloud
platforms come
with unique
security challenges
and opportunities.
This hands-on book
guides you through*

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security best
Ready Software
practices for
Pragmatic
multivendor cloud
Programmers
environments,
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whether your
company plans to
move legacy on-
premises projects
to the cloud or build
a new infrastructure
from the ground up.
Developers, IT
architects, and

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security
professionals will
learn cloud-specific
techniques for
securing popular
cloud platforms
such as Amazon
Web Services,
Microsoft Azure,
and IBM Cloud.
Chris Dotson—an
IBM senior technical
staff

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member—shows
you how to

establish data asset
management,

identity and access
management,

vulnerability

management,

network security,

and incident

response in your

cloud environment.

Microservices can

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*have a positive
impact on your
enterprise—just ask
Amazon and
Netflix—but you
can fall into many
traps if you don't
approach them in
the right way. This
practical guide
covers the entire
microservices
landscape,*

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including the principles, technologies, and methodologies of this unique, modular style of system building. You'll learn about the experiences of organizations around the globe that have successfully

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adopted
Ready Software
microservices. In
Pragmatic
three parts, this
Programmers
book explains how
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these services work
and what it means
to build an
application the
Microservices Way.
You'll explore a
design-based
approach to
microservice

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architecture with
Ready Software
guidance for
Pragmatic
implementing
Programmers
various elements.

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And you'll get a set
of recipes and
practices for
meeting practical,
organizational, and
cultural challenges
to microservice
adoption. Learn
how microservices

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*can help you drive
business objectives*

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*Examine the
principles,
practices, and*

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culture that define
microservice
architectures*

*Explore a model for
creating complex
systems and a
design process for
building a*

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microservice
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architecture Learn
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the fundamental
design concepts for
individual
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microservices Delve
into the operational
elements of a
microservices
architecture,
including containers
and service
discovery Discover

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*how to handle the
challenges of*

introducing

microservice

architecture in your

organization

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Native Applications

using Spring and

Kubernetes (English

Edition)

The Science of Lean

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Performing
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Production-Ready
Microservices
Cloud Native
Applications with
Jakarta EE
Microservices in

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Action
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Kafka: The
Pragmatic
Definitive Guide

How can Cloud Foundry help you develop and deploy business-critical applications and tasks with velocity? This practical guide demonstrates how this open source, cloud-native application platform not only

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significantly reduces the develop-to-deploy cycle time, but also raises the value line for application operators by changing the way applications and supporting services are deployed and run. Learn how Cloud Foundry can help you improve your product velocity by handling many of essential tasks required

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to run applications in
production. Author
Duncan Winn shows
DevOps and operations
teams how to configure
and run Cloud Foundry
at scale. You'll examine
Cloud Foundry's
technical
concepts—including how
various platform
components
interrelate—and learn
how to choose your

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underlying
Ready Software
infrastructure, define the
networking architecture,
and establish resiliency
requirements. This book
covers: Cloud-native
concepts that make the
app build, test, deploy,
and scale faster How to
deploy Cloud Foundry
and the BOSH release
engineering toolchain
Concepts and
components of Cloud

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Foundry's runtime
architecture Cloud

Foundry's routing
mechanisms and

capabilities The
platform's approach to

container tooling and
orchestration BOSH

concepts, deployments,
components, and

commands Basic tools
and techniques for

debugging the platform
Recent and soon-to-

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emerge features of
Ready Software
Cloud Foundry
Ship It! is a collection of
tips that show the tools
and techniques a
successful project team
has to use, and how to
use them well. You'll get
quick, easy-to-follow
advice on
modern practices: which
to use, and when they
should be applied. This
book avoids current

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fashion trends and
marketing hype; instead,
readers find page after
page of solid advice, all
tried and tested in
the real world. Aimed at
beginning to
intermediate
programmers, Ship It!
will show you: Which
tools help, and which
don't How to keep a
project moving
Approaches to

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scheduling that work
Ready Software
How to build developers
as well as product
Pragmatic
What's normal on a
Programmers
project, and what's not
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How to manage
managers, end-users and
sponsors Danger signs
and how to fix them
Few of the ideas
presented here are
controversial or
extreme; most experienc
edprogrammers will

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agree that this stuff works. Yet 50 to 70 percent of all project teams in the U.S. aren't able to use even these simple, well-accepted practices effectively. This book will help you get started. Ship It! begins by introducing the common technical infrastructure that every project needs to get the job done.

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Readers can choose from
a variety of

recommended

technologies according
to their skills and
budgets. The next

sections outline the
necessary steps to get
software out the door
reliably, using well-
accepted, easy-to-adopt,
best-of-breed practices
that really work. Finally,
and most importantly,

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Ship It! presents
Ready Software
common problems that
Programmers
teams face, then offers
real-world advice on
how to solve them.

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Deploy and scale
applications on Cloud
Foundry About This
Book Gain hands-on
experience using Cloud
Foundry Implement
deployment,
management and scaling
of applications on Cloud

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Ready Software

Foundry Learn best
practices and
troubleshooting tips for
running applications on
Cloud Foundry Who
This Book Is For This

book is aimed at
developers, engineers
and architects who want
to learn key aspects of
developing and running
applications on the
Cloud Foundry
Platform. Prior

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knowledge Cloud
Ready Software
Foundry is not
Programmers
necessary. What You
Will Learn Understand
Cloud Foundry (CF)
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tools and concepts.

Understand the breadth
of possibilities
unleashed through a
lightweight agile
approach to building
and deploying
applications. Design and
deploy cloud native

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applications that run
well on Cloud Foundry.

Learn Microservice
design concepts and
worker applications.
Customize service
brokers to publish your
services in the Cloud
Foundry marketplace.
Using, managing and
creating buildpacks for
the Cloud Foundry
Platform. Troubleshoot
applications on Cloud

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Foundry Perform zero-downtime deployments using blue/green routes,

A/B testing, and

painless rollbacks to earlier versions of the

application. In Detail

Cloud Foundry is the open source platform to

deploy, run, and scale

applications. Cloud

Foundry is growing

rapidly and a leading

product that provides

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PaaS (Platform as a
Ready Software
Service) capabilities to
Programmers
enterprise, government,
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and organizations
around the globe. Giants
like Dell Technologies,
GE, IBM, HP and the
US government are
using Cloud Foundry
innovate faster in a
rapidly changing world.
Cloud Foundry is a
developer's dream.
Enabling them to create

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modern applications that
can leverage the latest

thinking, techniques and
capabilities of the cloud,
including: DevOps

Application

Virtualization

Infrastructure

agnosticism

Orchestrated containers

Automation Zero

downtime upgrades A/B

deployment Quickly

scaling applications out

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or in This book takes
readers on a journey
where they will first
learn the Cloud Foundry
basics, including how to
deploy and scale a
simple application in
seconds. Readers will
build their knowledge of
how to create highly
scalable and resilient
cloud-native
applications and
microservices running

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on Cloud Foundry.

Readers will learn how
to integrate their
application with
services provided by
Cloud Foundry and with
those external to Cloud
Foundry. Readers will
learn how to structure
their Cloud Foundry
environment with orgs
and spaces. After that,
we'll discuss aspects of
continuous

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integration/continuous
Ready Software
monitoring and logging.
Programmers
Readers will also learn
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how to enable health
checks, troubleshoot and
debug applications. By
the end of this book,
readers will have hands-
on experience in
performing various
deployment and scaling
tasks. Additionally, they
will have an

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understanding of what it
takes to migrate and

develop applications for
Cloud Foundry. Style
and Approach A

practitioner's guide to
Cloud Foundry that

covers the areas of
application

development,

deployment and

services.

Managing data

continues to grow as a

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necessity for modern
Ready Software
organizations. There are
Programmers
seemingly infinite
Programmers
opportunities for
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organic growth,
reduction of costs, and
creation of new products
and services. It has
become apparent that
none of these
opportunities can
happen smoothly
without data
governance. The cost of

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exponential data growth
and privacy / security

concerns are becoming
burdensome.

Organizations will
encounter unexpected
consequences in new
sources of risk. The
solution to these
challenges is also data
governance; ensuring
balance between risk
and opportunity. Data
Governance, Second

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Edition, is for any executive, manager or data professional who needs to understand or implement a data governance program. It is required to ensure consistent, accurate and reliable data across their organization. This book offers an overview of why data governance is needed, how to design, initiate, and execute a

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program and how to
keep the program

sustainable. This

valuable resource

provides comprehensive
guidance to beginning

professionals, managers

or analysts looking to

improve their processes,

and advanced students

in Data Management

and related courses.

With the provided

framework and case

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studies all professionals
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in the data governance

field will gain key

insights into launching

successful and money-
saving data governance

program. Incorporates

industry changes,

lessons learned and new

approaches Explores

various ways in which

data analysts and

managers can ensure

consistent, accurate and

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reliable data across their
Ready Software
organizations Includes
Pragmatic
new case studies which
Programmer's
detail real-world
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situations Explores all
of the capabilities an
organization must adopt
to become data driven
Provides guidance on
various approaches to
data governance, to
determine whether an
organization should be
low profile, central

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controlled, agile, or
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traditional Provides

Pragmatic
guidance on using
technology and

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separating vendor hype
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from sincere delivery of
necessary capabilities

Offers readers insights
into how their
organizations can

improve the value of
their data, through data
quality, data strategy
and data literacy

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Provides up to 75%
brand-new content

compared to the first
edition

Continuous Delivery

How to Create Tech
Products Customers

Love

Real-Time Data and

Stream Processing at
Scale

Cloud Foundry for
Developers

Active Directory

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Designing, Developing,
Ready Software
and Deploying
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