

Grails 3 Step By Step

This book jumps to the "good stuff" from the outset, allowing students to quickly start writing real applications. It introduces readers to a 3-tiered, Model-View-Controller architecture by using Hibernate, JSPs, and Java Servlets. This book uses existing powerful technologies such as JSP, JavaBeans, Annotations, JSTL, Java 1.5, Hibernate, Apache Velocity and Tomcat. It also presents Model 1 architectures using Servlets and JSP as alternatives to Perl and PHP. Written for novice developers, this book provides an introductory course in web development for undergraduates as well as web developers.

Grails is a full stack framework which aims to greatly simplify the task of building serious web applications for the JVM. The concepts within Grails, like interceptors, tag libs, and Groovy Server Pages (GSP), make those in the Java community feel right at home. Grails' foundation is on

solid open source technologies such as Spring, Hibernate, and SiteMesh, which gives it even more potential in the Java space: Spring provides powerful inversion of control and MVC, Hibernate brings a stable, mature object relational mapping technology with the ability to integrate with legacy systems, and SiteMesh handles flexible layout control and page decoration. Grails complements these with additional features that take advantage of the coding-by-convention paradigm such as dynamic tag libraries, Grails object relational mapping, Groovy Server Pages, and scaffolding. Graeme Rocher, Grails lead and founder, and Jeff Brown bring you completely up-to-date with their authoritative and fully comprehensive guide to the Grails 2 framework. You'll get to know all the core features, services, and Grails extensions via plug-ins, and understand the roles that Groovy and Grails are playing in the changing Web.

Do your sentences fail to sound the way you want? Are they lackluster, with flat characters and settings? Is your

prose full of bad habits and crutches? The Anatomy of Prose: 12 Steps to Sensational Sentences, by Sacha Black, showed writers how to polish their prose to perfection in an easy and humorous, step-by-step guide. This workbook puts those lessons to use by building on each chapter in The Anatomy of Prose, guiding you through the development of your sentence-level craft. Inside the workbook you'll find hundreds of thought provoking questions, exercises and creativity boosting prompts. This resource will help you: + Create descriptions that sing + Craft character emotions that will hook a reader + Harness all five senses to make your stories come alive, deepening your reader's experience + Learn tips and tricks for balancing details at the sentence level + Discover methods for strengthening each sentence through strategic word choice, rhythm and flow + Implement dozens of literary devices, including how to utilize them to give your prose power + Use tactics for differentiating characters in dialogue as well as making it punchy and unforgettable + Self-edit through a

*comprehensive prose-specific self-editing check list +
Embody your character's personality at the sentence level +
Avoid the most common pitfalls and mistakes at the sentence
level Read the The Anatomy of Prose Workbook today and
start creating kick-ass sentences.*

*A complete guide to building and deploying web apps
with Heroku A cloud application platform, Heroku is
currently the only approved platform for creating apps
within Facebook, and its number of users is growing at rapid
pace. However, there are very few books on the market that
offer professional-level coverage of this platform, until
now. The author duo begins with an introduction to the
Heroku platform and its associated core concepts and then
goes on to explain how writing for this platform differs
from that of traditional development systems. Example
applications, additional resources, and advice for your next
steps round out this resource, making it a thorough,
indispensable guide. Features information not found
anywhere else, as both authors work for Heroku Explains the*

inner workings of Heroku with special emphasis placed on building web and mobile applications Introduces GIT-based development workflow and the process model within the Heroku platform Details coding, building, deploying, and scaling effectively using the Heroku tool base Providing you with fully functional code and downloadable code examples, Professional Heroku Programming is your complete guide to mastering this platform.

Unlike many Flex books that presume readers want to develop applications from scratch, Flex on Java is for developers in the real world-where Flex is one more technology being added to existing systems developed in Java, and where integration is the key indicator of success. Written for Java developers beginning to use Flex, Flex on Java shows how to use Flex alongside existing Java applications, and how to integrate Flex using familiar server-side technologies such as Spring, EJBs, JMS, and more. The authors, both Agile development experts, focus on Agile and test-driven development to enable readers to redesign

applications that deliver more value and with zero defects. Throughout the book, readers will apply these techniques to refactoring a single application into a rich internet application using Flex and the BlazeDS framework. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Grails in Action

Using Hibernate, JSPs and Servlets

The Definitive Guide to Grails

Jenkins: The Definitive Guide

Best Practices for Experienced Grails Developers

From Novice to Professional

Spring Roo goes a step beyond the Spring Framework by bringing true Rapid Application Development to Java—just as Grails has done with Groovy. This concise introduction shows you how to build applications with Roo, using the framework's shell as an intelligent and timesaving code-completion tool. It's an ideal RAD tool because Roo does

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much of the tedious code maintenance. You'll get started by building a simple customer relationship management application, complete with step-by-step instructions and code examples. Learn how to control any part of the application with Roo's opt-in feature, while using this open source framework to automate the rest of the code. Set up a Spring application and working Maven build to see Roo in action Address persistence with JPA and the Neo4j graph database—and learn how Roo supports NoSQL databases Use Roo's database reverse-engineering feature to generate a data model from an existing schema Build Roo applications with Spring MVC, Spring WebFlow, Google Web Toolkit, Vaadin, and other web frameworks Secure and test your application Start building powerful apps that take advantage of the dynamic scripting capabilities of the Groovy language. This book covers Groovy fundamentals, such as installing Groovy, using Groovy tools, and working with the Groovy Development Kit (GDK). You'll also learn more advanced aspects of Groovy, such as using Groovy design patterns, writing DSLs

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in Groovy, and taking advantage of Groovy's functional programming features. There is more to Groovy than the core language, so Learning Groovy covers the extended Groovy ecosystem. You'll see how to harness Gradle (Groovy's build system), Grails (Groovy's web application framework), Spock (Groovy's testing framework), and Ratpack (Groovy's reactive web library). What You'll Learn Grasp Groovy fundamentals, including the GDK or Groovy Development Kit Master advanced Groovy, such as writing Groovy DSLs Discover functional programming in Groovy Work with GPars, the built-in concurrency library Use Gradle, the build system Master Grails, the web application framework Work with Spock, the testing framework Harness Ratpack, the reactive web library Who This Book Is For Although this book is intended for those with a Java background, anyone with basic programming skills could benefit from it. This book is a data-filled, yet easy-to-digest tour of the Groovy language and ecosystem.

You can test just about anything with Cucumber. We certainly

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have, and in Cucumber Recipes we'll show you how to apply our hard-won field experience to your own projects. Once you've mastered the basics, this book will show you how to get the most out of Cucumber--from specific situations to advanced test-writing advice. With over forty practical recipes, you'll test desktop, web, mobile, and server applications across a variety of platforms. This book gives you tools that you can use today to automate any system that you encounter, and do it well. The Cucumber Book showed you how your team can work together to write executable specifications--documents that tell a clear story and also happen to be working test code. We'll arm you with ready-rolled solutions to real-world problems: your tests will run faster, read more clearly, and work in any environment. Our first tips will help you fit Cucumber into your workflow. Powerful filters will tame tables full of test data, transforming them into the format your application needs. Custom output formatters will generate reports for any occasion. Continuous Integration servers will run your

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Cucumber tests every time the code changes. Next, you'll find recipes tailored to the platform you're running on. Ever wanted to know how to test a Grails app from Cucumber? Need to put a Windows program through its paces? How about a mobile app running on Android or iOS? We'll show you how to do all of these. Throughout the book, you'll see how to make Cucumber sing as you interoperate with different platforms, languages, and environments. From embedded circuits to Python and PHP web apps, Cucumber has something for you. **What You Need:** You'll need basic working knowledge of Cucumber and Ruby. Individual recipes may have additional requirements; for example, a recipe on Windows automation might pull in an open source GUI driver. We've written the recipes for compatibility with Ruby 1.9.3 and 1.8.7, plus Cucumber 1.1.4. Other versions may work as well, but these are the ones we test with.

The Definitive Guide to Grails 2Apress

Summary A developer-focused guide to writing applications using Spring Boot. You'll learn how to bypass the tedious

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configuration steps so that you can concentrate on your application's behavior. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Spring Framework simplifies enterprise Java development, but it does require lots of tedious configuration work. Spring Boot radically streamlines spinning up a Spring application. You get automatic configuration and a model with established conventions for build-time and runtime dependencies. You also get a handy command-line interface you can use to write scripts in Groovy. Developers who use Spring Boot often say that they can't imagine going back to hand configuring their applications. About the Book Spring Boot in Action is a developer-focused guide to writing applications using Spring Boot. In it, you'll learn how to bypass configuration steps so you can focus on your application's behavior. Spring expert Craig Walls uses interesting and practical examples to teach you both how to use the default settings effectively and how to override and customize Spring Boot

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for your unique environment. Along the way, you'll pick up insights from Craig's years of Spring development experience. What's Inside Develop Spring apps more efficiently Minimal to no configuration Runtime metrics with the Actuator Covers Spring Boot 1.3 About the Reader Written for readers familiar with the Spring Framework. About the Author Craig Walls is a software developer, author of the popular book *Spring in Action, Fourth Edition*, and a frequent speaker at conferences. Table of Contents

Bootstarting Spring Developing your first Spring Boot application Customizing configuration Testing with Spring Boot Getting Groovy with the Spring Boot CLI Applying Grails in Spring Boot Taking a peek inside with the Actuator Deploying Spring Boot applications APPENDIXES Spring Boot developer tools Spring Boot starters Configuration properties Spring Boot dependencies

Java Cookbook

Learn Java for Web Development

Large-Scale Knowledge Resources. Construction and

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Application

Pro Spring Security

Getting Started with Roo

Hudson 3 Essentials

Summary Groovy in Action, Second Edition is a thoroughly revised, comprehensive guide to Groovy programming. It introduces Java developers to the dynamic features that Groovy provides, and shows how to apply Groovy to a range of tasks including building new apps, integration with existing code, and DSL development. Covers Groovy 2.4. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology In the last ten years, Groovy has become an integral part of a Java developer's toolbox. Its comfortable, common-sense design, seamless integration with Java, and rich ecosystem that includes the Grails web framework, the Gradle build system, and Spock testing platform have created a large Groovy community About the Book Groovy in Action, Second Edition is the undisputed definitive reference on the Groovy language. Written by core members of the Groovy language team, this book presents Groovy like no other can—from the inside out. With relevant examples, careful explanations of Groovy's key concepts and features, and insightful coverage of how to use Groovy in-production tasks, including building new applications, integration with existing code, and DSL development, this is the only book you'll need. Updated for Groovy 2.4. Some experience with Java or another programming language is helpful. No Groovy experience is assumed. What's Inside Comprehensive coverage of Groovy 2.4 including language features, libraries, and AST transformations Dynamic, static, and extensible typing Concurrency: actors, data parallelism, and dataflow Applying Groovy: Java integration, XML, SQL, testing, and domain-specific language

support Hundreds of reusable examples About the Authors Authors Dierk König, Paul King, Guillaume Laforge, Hamlet D'Arcy, Cédric Champeau, Erik Pragt, and Jon Skeet are intimately involved in the creation and ongoing development of the Groovy language and its ecosystem. Table of Contents PART 1 THE GROOVY LANGUAGE Your way to Groovy Overture: Groovy basics Simple Groovy datatypes Collective Groovy datatypes Working with closures Groovy control structures Object orientation, Groovy style Dynamic programming with Groovy Compile-time metaprogramming and AST transformations Groovy as a static language PART 2 AROUND THE GROOVY LIBRARY Working with builders Working with the GDK Database programming with Groovy Working with XML and JSON Interacting with Web Services Integrating Groovy PART 3 APPLIED GROOVY Unit testing with Groovy Concurrent Groovy with GPar Domain-specific languages The Groovy ecosystem A step-by-step description of each key feature is provided with the help of simple, easy-to-understand examples. There are plenty of useful screenshots in each chapter. Every chapter contains information as well as tips and tricks to draw your attention towards some useful information or reference. Each aspect of web development like CSS or JavaScript is handled independently so that you can refer to those modules in which you are interested. This book is written for frontend web developers building software and pages using HTML, CSS, JavaScript, and AJAX, who want to learn Firebug for the reasons outlined above. The book assumes that readers have a very basic knowledge of HTML, JavaScript, and CSS. The examples in the book can be understood by someone who has just been introduced to web development. Unique to the popular Grails web framework is its architecture. While other frameworks are built from the ground up, Grails leverages existing and proven technologies that already have advanced functionality built in. One of the key technologies in this architecture is Hibernate, on top of which Grails builds its GORM (Grails Object Relational Mapping) model layer. This provides Grails a

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persistence solution. Published with the developer in mind, firstPress technical briefs explore emerging technologies that have the potential to be critical for tomorrow's industry. Apress keeps developers one step ahead by presenting key information as early as possible in a PDF of 150 pages or less. Explore the future through Apress with Grails Persistence with GORM and GSQL. This firstPress book covers Grails persistence with GORM, from defining your first model to the nature of transactions and advanced Hibernate querying. Other APIs and tools such as GSQL (Groovy SQL) are covered as well, as needed, to empower your Grails persistence efforts.

Summary Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to build a full-fledged, real-world project. Along the way, it touches on advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and deploying your software. About the Technology Gradle is a general-purpose build automation tool. It extends the usage patterns established by its forerunners, Ant and Maven, and allows builds that are expressive, maintainable, and easy to understand. Using a flexible Groovy-based DSL, Gradle provides declarative and extendable language elements that let you model your project's needs the way you want. About the Book Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to establish an effective build process for a full-fledged, real-world project. Along the way, it covers advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and deploying your software. The book assumes a basic background in Java, but no knowledge of Groovy. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. Whats Inside A comprehensive guide to Gradle Practical, real-

world examples Transitioning from Ant and Maven In-depth plugin development Continuous delivery with Gradle About the Author Benjamin Muschko is a member of the Gradleware engineering team and the author of several popular Gradle plugins. Table of Contents PART 1 INTRODUCING GRADLE Introduction to project automation Next-generation builds with Gradle Building a Gradle project by example PART 2 MASTERING THE FUNDAMENTALS Build script essentials Dependency management Multiproject builds Testing with Gradle Extending Gradle Integration and migration PART 3 FROM BUILD TO DEPLOYMENT IDE support and tooling Building polyglot projects Code quality management and monitoring Continuous integration Artifact assembly and publishing Infrastructure provisioning and deployment

If you're familiar with Gradle's basics elements—possibly through the author's previous O'Reilly book, *Building and Testing with Gradle*—this more advanced guide provides the recipes, techniques, and syntax to help you master this build automation tool. With clear, concise explanations and lots of ready-to-use code examples, you'll explore four discrete areas of Gradle functionality: file operations, custom Gradle plugins, build lifecycle hooks, and dependency management. Learn how to use Gradle's rich set of APIs and Groovy-based Domain Specific Language to customize build software that actually conforms to your product. By using the techniques in this book, you'll be able to write domain-specific builds that support every other line of code your team creates. Examine Gradle's file API, including copy tasks, pattern matching, content filtering, and the `FileCollection` interface Understand the process for building and packaging a custom Gradle plug-in Manage build complexity with hook methods and Gradle's rule feature Learn how Gradle handles dependency management natively and through customization Explore Gradle's core plug-ins as well as key examples from the Gradle community

Professional Heroku Programming

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Groovy and Grails Recipes

Machine Trading

August 2015

Getting Started with Grails

Skincare for Your Soul

AngularJS is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices. AngularJS, which is maintained by Google, brings the power of the Model-View-Controller (MVC) pattern to the client, providing the foundation for complex and rich web apps. It allows you to build applications that are smaller, faster, and with a lighter resource footprint than ever before. Best-selling author Adam Freeman explains how to get the most from AngularJS. He begins by describing the MVC pattern and the many benefits that can be gained...

Streamline software development with Jenkins, the popular Java-based open source tool that has revolutionized the way teams think about Continuous Integration (CI). This complete guide shows you how to automate your build, integration, release, and deployment processes with Jenkins—and demonstrates how CI can save you time, money, and many headaches. Ideal for developers, software architects, and project managers, Jenkins: The Definitive Guide is both a CI tutorial and a comprehensive Jenkins reference. Through its wealth of best practices

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and real-world tips, you'll discover how easy it is to set up a CI service with Jenkins. Learn how to install, configure, and secure your Jenkins server Organize and monitor general-purpose build jobs Integrate automated tests to verify builds, and set up code quality reporting Establish effective team notification strategies and techniques Configure build pipelines, parameterized jobs, matrix builds, and other advanced jobs Manage a farm of Jenkins servers to run distributed builds Implement automated deployment and continuous delivery

Groovy and Grails Recipes is the busy developer's guide to developing applications in Groovy and Grails. Rather than boring you with theoretical knowledge of "yet another language/framework," this book delves straight into solving real-life problems in Groovy and Grails using easy-to-understand, well-explained code snippets. Through learning by example, you will be able to pick up on Groovy and Grails quickly and use the book as an essential reference when developing applications.

This is a cookbook with easy-to-follow recipes containing practical and detailed examples which are all fully backed up with code, illustrations, and tips."Vaadin 7 Cookbook" is for developers who want to create Rich Internet Applications with Vaadin.Both newcomers to Vaadin and those who have some experience with it will find recipes to

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expand their working knowledge of Vaadin.

Describes ways to incorporate domain modeling into software development.

Solutions and Examples for Java Developers

American King

Spring Roo in Action

Beginning Groovy and Grails

Vaadin 7 Cookbook

The Definitive Guide to Grails 2

Summary Making Java Groovy is a practical handbook for developers who want to blend Groovy into their day-to-day work with Java. It starts by introducing the key differences between Java and Groovy—and how you can use them to your advantage. Then, it guides you step-by-step through realistic development challenges, from web applications to web services to desktop applications, and shows how Groovy makes them easier to put into production. About this Book You don't need the full force of Java when you're writing a build script, a simple system utility, or a lightweight web app—but that's where Groovy shines brightest. This elegant JVM-based dynamic language extends and simplifies Java so you can concentrate on the task at hand instead of managing minute details and unnecessary complexity. Making Java Groovy is a practical guide for developers who want to benefit from Groovy in their work with Java. It starts by introducing the key differences between Java and Groovy and how to use them to your advantage. Then, you'll focus on the situations you face every day, like consuming and creating RESTful web services, working with databases, and using the Spring framework. You'll also

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explore the great Groovy tools for build processes, testing, and deployment and learn how to write Groovy-based domain-specific languages that simplify Java development. Written for developers familiar with Java. No Groovy experience required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Easier Java Closures, builders, and metaprogramming Gradle for builds, Spock for testing Groovy frameworks like Grails and Griffon About the Author Ken Kousen is an independent consultant and trainer specializing in Spring, Hibernate, Groovy, and Grails. Table of Contents PART 1: UP TO SPEED WITH GROOVY Why add Groovy to Java? Groovy by example Code-level integration Using Groovy features in Java PART 2: GROOVY TOOLS Build processes Testing Groovy and Java projects PART 3: GROOVY IN THE REAL WORLD The Spring framework Database access RESTful web services Building and testing web applications

When you use Hibernate in your projects, you quickly recognize that you need to do more than just add @Entity annotations to your domain model classes. Real-world applications often require advanced mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to use. Hibernate Tips - More than 70 solutions to common Hibernate problems shows you how to efficiently implement your persistence layer with Hibernate's basic and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example project with executable test cases for each Hibernate Tip. Throughout this book, you will get more than 70 ready-to-use solutions that show you how to: - Define standard mappings for basic attributes and entity associations. - Implement

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your own attribute mappings and support custom data types. - Use Hibernate's Java 8 support and other proprietary features. - Read data from the database with JPQL, Criteria API, and native SQL queries. - Call stored procedures and database functions. This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel free to read the book from cover to cover or to just pick the tips that help you in your current project.

Grails is a full-stack web development framework that enables you to build complete web applications in a fraction of the time and with less code than other frameworks. Grails uses the principle of convention over configuration and the dynamic Groovy programming language. This revised and updated new edition shows you how to use Grails by iteratively building a unique, working application. By the time you're done, you'll have built and deployed a real, functioning website. Using this hands-on, pragmatic approach, you'll explore topics such as Ajax in Grails, custom tags, and plugins. You'll dig into Grails' powerful view technology, Groovy Server Pages, and see how you can easily leverage the help offered by scaffolding to create custom user interfaces faster than you would have thought possible. Along the way, you'll learn about domain classes, controllers, and GSP views. And you'll see how Grails enables you to use powerful frameworks such as Spring and Hibernate. With Grails, you can get a lot done with little effort. With this book, you'll get a lot done as well. Get started with Grails today. What You

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Need: Grails 2 will run on any machine that supports Java. Grails applications can be deployed on any Java Servlet container, including Tomcat, Jetty, WebLogic, JBoss, and Websphere. At the start of the 21st century, we are now well on the way towards a knowledge-intensive society, in which knowledge plays ever more important roles. Thus, research interest should inevitably shift from information to knowledge, with the problems of building, organizing, maintaining and utilizing knowledge - coming central issues in a wide variety of fields. The 21st Century COE program "Framework for Systematization and Application of Large-scale Knowledge - sources (COE-LKR)" conducted by the Tokyo Institute of Technology is one of several early attempts worldwide to address these important issues. Inspired by this project, LKR2008 aimed at bringing together diverse contributions in cognitive science, computer science, education and linguistics to explore design, construction, extension, maintenance, validation and application of knowledge. Responding to our call for papers, we received 38 submissions from a variety of research areas. Each paper was reviewed by three Program Committee members. Since we were aiming at an interdisciplinary conference covering a wide range of topics concerning large-scale knowledge resources (LKR), each paper was assigned a reviewer from a topic area outside the main thrust of the paper. This reviewer was asked to assess whether the authors described the motivation and importance of their work in a comprehensible manner even for readers in other research areas. Following a rigorous reviewing process, we accepted 14 regular papers and 12 poster papers.

Dive into algo trading with step-by-step tutorials and expert insight Machine Trading is a practical guide to building your algorithmic trading business. Written by a recognized trader with major institution expertise, this book provides step-by-step instruction on quantitative trading

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and the latest technologies available even outside the Wall Street sphere. You'll discover the latest platforms that are becoming increasingly easy to use, gain access to new markets, and learn new quantitative strategies that are applicable to stocks, options, futures, currencies, and even bitcoins. The companion website provides downloadable software codes, and you'll learn to design your own proprietary tools using MATLAB. The author's experiences provide deep insight into both the business and human side of systematic trading and money management, and his evolution from proprietary trader to fund manager contains valuable lessons for investors at any level. Algorithmic trading is booming, and the theories, tools, technologies, and the markets themselves are evolving at a rapid pace. This book gets you up to speed, and walks you through the process of developing your own proprietary trading operation using the latest tools. Utilize the newer, easier algorithmic trading platforms Access markets previously unavailable to systematic traders Adopt new strategies for a variety of instruments Gain expert perspective into the human side of trading The strength of algorithmic trading is its versatility. It can be used in any strategy, including market-making, inter-market spreading, arbitrage, or pure speculation; decision-making and implementation can be augmented at any stage, or may operate completely automatically. Traders looking to step up their strategy need look no further than Machine Trading for clear instruction and expert solutions.

Achieving Outer Beauty and Inner Peace with Korean Skincare

A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics

Gradle Beyond the Basics

Automate Anything with BDD Tools and Techniques

A Problem-Solution Approach

Domain-driven Design

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular.

Recipes include: Methods for compiling, running, and debugging Manipulating, comparing, and rearranging text Regular expressions for string- and pattern-matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Directory and filesystem operations Working with graphics, audio, and video GUI development, including JavaFX and handlers Network programming on both client and server Database access, using JPA, Hibernate, and JDBC Processing JSON and XML for data storage Multithreading and concurrency

Web frameworks are playing a major role in the creation of today's most compelling web applications, because they automate many of the tedious tasks, allowing developers to instead focus on providing users with creative and powerful features. Java developers have been particularly fortunate in this area, having been able to take advantage of Grails, an open source framework that supercharges productivity when building Java-driven web sites. Grails is based

on Groovy, which is a very popular and growing dynamic scripting language for Java developers and was inspired by Python, Ruby, and Smalltalk. *Beginning Groovy and Grails* is the first introductory book on the Groovy language and its primary web framework, Grails. This book gets you started with Groovy and Grails and culminates in the example and possible application of some real-world projects. You follow along with the development of each project, implementing and running each application while learning new features along the way.

They say that every tragic hero has a fatal flaw, a secret sin, a tiny stitch sewn into his future since birth. And here I am. My sins are no longer secret. My flaws have never been more fatal. And I've never been closer to tragedy than I am now. I am a man who loves, a man whose love demands much in return. I am a king, a king who was foolish enough to build a kingdom on the bones of the past. I am a husband and a lover and a soldier and a father and a president. And I will survive this. Long live the king.

Dig deeper into Grails architecture and discover how this application framework works its magic. Written by a core developer on the Grails team, this practical guide takes you behind the curtain to reveal the inner workings of its 2.0 feature set. You'll learn best practices for building and deploying Grails applications, including performance, security, scaling, tuning, debugging, and monitoring. Understand how Grails integrates with Groovy, Spring, Hibernate, and other JVM technologies, and learn how to create and use plugins to augment your application's functionality. Once you know how Grails adds behavior by convention, you can solve problems more easily and develop applications more intuitively. Write simpler, more powerful code with the Groovy

language Manage persistence in Grails, using Hibernate or a NoSQL datastore Learn how Grails uses Spring's functionality and optional modules Discover how Hibernate handles details for storing and retrieving data Integrate technologies for messaging, mail, creating web services, and other JEE technologies Bypass convention and configure Grails manually Learn a general approach to upgrading applications and plugins Use Grails to develop and deploy IaaS and PaaS applications

Grails is an open-source, rapid web application development framework that provides a super-productive full-stack programming model based on the Groovy scripting language and built on top of Spring, Hibernate, and other standard Java frameworks. Ruby on Rails pioneered the innovative coupling of a powerful programming language and an opinionated framework that favors sensible defaults over complex configuration, but many organizations aren't yet ready to stray from the safety of Java or forgo their current Java investments. Grails makes it possible to achieve equivalent productivity in a Java-centric environment. Over the course of this book, the reader will explore the various aspects of Grails and also experience Grails by building a Grails app.

Gradle in Action

Modern Java Web Development

Web Development with Java

Continuous Integration for the Masses

Grails 2: A Quick-Start Guide

The Spring framework is growing. It has always been about choice. Java EE focused on a few technologies, largely to the detriment of alternative, better solutions. When the Spring framework debuted, few would have agreed that Java EE represented the best-in-breed architectures of the day. Spring debuted to great fanfare, because it sought to simplify Java EE. Each release since marks the introduction of new features designed to both simplify and enable solutions. With version 2.0 and later, the Spring framework started targeting multiple platforms. The framework provided services on top of existing platforms, as always, but was decoupled from the underlying platform wherever possible. Java EE is still a major reference point, but it's not the only target. OSGi (a promising technology for modular architectures) has been a big part of the SpringSource strategy here. Additionally, the Spring framework runs on Google App Engine. With the introduction of annotation-centric frameworks and XML schemas, SpringSource has built

frameworks that effectively model the domain of a specific problem, in effect creating domain-specific languages (DSLs). Frameworks built on top of the Spring framework have emerged supporting application integration, batch processing, Flex and Flash integration, GWT, OSGi, and much more.

A practical guide, packed with illustrations, that will help you become proficient with Hudson and able to utilize it how you want. If you are a Java developer or administrator who would like to automate some of the mundane work required to build and test software and improve software quality, this is the book for you. If you are a development manager or tester, you can also benefit from learning how Hudson works by gaining some insight into test results and historical trends.

The rise of Ruby on Rails has signified a huge shift in how we build web applications today; it is a fantastic framework with a growing community. There is, however, space for another such framework that integrates seamlessly with Java.

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Thousands of companies have invested in Java, and these same companies are losing out on the benefits of a Rails-like framework. Enter Grails. Grails is not just a Rails clone. It aims to provide a Rails-like environment that is more familiar to Java developers and employs idioms that Java developers are comfortable using, making the adjustment in mentality to a dynamic framework less of a jump. The concepts within Grails, like interceptors, tag libs, and Groovy Server Pages (GSP), make those in the Java community feel right at home. Grails' foundation is on solid open source technologies such as Spring, Hibernate, and SiteMesh, which gives it even more potential in the Java space: Spring provides powerful inversion of control and MVC, Hibernate brings a stable, mature object relational mapping technology with the ability to integrate with legacy systems, and SiteMesh handles flexible layout control and page decoration. Grails complements these with additional features that take advantage of the coding-by-convention paradigm such as dynamic tag libraries, Grails object

relational mapping, Groovy Server Pages, and scaffolding. Graeme Rocher, Grails lead and founder, and Jeff Brown bring you completely up-to-date with their authoritative and fully comprehensive guide to the Grails framework. You'll get to know all the core features, services, and Grails extensions via plug-ins, and understand the roles that Groovy and Grails are playing in the changing Web.

This book is a practical tutorial, walking the reader through examples of building DSLs with Groovy covering meta-programming with Groovy. Some complex concepts are covered in the book but we go through these in a clear and methodically way so that readers will gain a good working knowledge of the techniques involved. This book is for Java software developers who have an interest in building domain scripting into their Java applications. No knowledge of Groovy is required, although it will be helpful. The book does not teach Groovy, but quickly introduces the basic ideas of Groovy. An experienced Java developer should have no problems with these and move quickly on to the more

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involved aspects of creating DSLs with Groovy. No experience of creating a DSL is required. The book should also be useful for experienced Groovy developers who have so far only used Groovy DSLs such as Groovy builders and would like to start building their own Groovy-based DSLs.

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Summary Spring Roo in Action is a unique book that teaches you how to code Java in Roo, with a particular focus on Spring-based applications. Through hands-on examples, you'll learn how Roo creates well-formed application structures and supports best practices and tools. Plus, you'll get a quick-and-dirty guide to setting up Roo effectively in your environment. About the Technology Roo is a lightweight Java console shell that simplifies compile-time tasks. It improves productivity by enforcing correct coding practices and patterns and integrates with mainstream Java technologies, including ActiveMQ, GWT, JPA, and OSGi. And, when you finish coding, it gets out of the way so there's no runtime impact. About the Book Spring Roo in Action teaches you to code Java more efficiently using Roo. With the help of many examples, it shows you how to build application components from the database layer to the user interface. The book takes a test-first approach and points out how Roo can help automate many of the mundane details of coding Java apps. Along the way,

you'll address important topics like security, messaging, and cloud computing. This book is for Java developers who want to get more productive by using Roo. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Learn Roo from the ground up Integrate with existing projects Create custom add-ons Use Roo with Spring

===== Table of Contents PART 1 STARTING SPRING APPS RAPIDLY WITH ROO What is Spring Roo? Getting started with Roo PART 2 DATABASES AND ENTITIES Database persistence with entities Relationships, JPA, and advanced persistence PART 3 WEB DEVELOPMENT Rapid web applications with Roo Advanced web applications RIA and other web frameworks Configuring security PART 4 INTEGRATION Testing your application Enterprise services—email and messaging Roo add-ons Advanced add-ons and deployment PART 5 ROO IN THE CLOUD Cloud computing Workflow applications using Spring Integration Security is a key element in the development of any non-trivial application. The Spring Security Framework provides a comprehensive set of functionalities to implement industry-standard authentication and authorization mechanisms for Java applications. Pro Spring Security will be a reference and advanced tutorial that will do the following: Guides you through the implementation of the security

features for a Java web application by presenting consistent examples built from the ground-up. Demonstrates the different authentication and authorization methods to secure enterprise-level applications by using the Spring Security Framework. Provides you with a broader look into Spring security by including up-to-date use cases such as building a security layer for RESTful web services and Grails applications.

Take Your Skin to the Next Level with This Guide to Korean Skin Care “This book feels like talking with a trusted friend, one so generous with practical advice and wisdom. I wish our Dermatology textbooks had chapters like these!” —Dr. Erin Tababa-Santos, creator of The Nerdy Derma #1 New Release in Massage and Skin Ailments Have you always longed for that fresh, glowing, no-makeup look? With this step-by-step guide to Korean skincare routines, anyone can attain healthy skin. But Skincare for Your Soul takes it one step further—it guides you to a place where skincare is also self-care. The Korean skin care journey. As much as we’d like, glowing, clear skin doesn’t happen overnight. But there is beauty in the process—not just the results. Author Jude Chao links skincare to self-care culture, giving readers a practical guide to developing an ideal skincare routine and using it to help manage stress, anxiety, and depression. The Korean skincare routine invites us to look at our skincare not only as a way to reduce lines and wrinkles or clear up breakouts, but as a tool

for developing our self-care habits. Steady improvement is the goal. Photoshopped perfection is neither realistic nor a healthy goal. What matters is caring for our mental health and building our self-esteem by intentionally taking time each day to give our skin some love. But it starts with changing how we view skincare and developing a routine that fits our personal needs and goals, and Chao helps you do that. Dive into Chao's book on K-beauty and discover:

- An easy-to-follow, step-by-step guide to skincare
- A clear breakdown of skincare products (not brands), and pros and cons to help customize your routine
- How Korean skin care can be a reliable and effective mental health management tool
- Tips for avoiding common types of exploitative and manipulative beauty marketing

If you enjoyed books like *The Little Book of Skin Care*, *The Skincare Bible*, or *Glow from Within*, you'll love *Skincare for Your Soul*. Web frameworks are playing a major role in the creation of today's most compelling web applications, because they automate many of the tedious tasks, allowing developers to instead focus on providing users with creative and powerful features. Java developers have been particularly fortunate in this area, having been able to take advantage of Grails, an open source framework that supercharges productivity when building Java-driven web sites. Grails is based on Groovy, which is a very popular and growing dynamic scripting language for Java developers and was inspired by Python, Ruby, and Smalltalk. *Beginning*

Groovy, Grails and Griffon is the first introductory book on the Groovy language and its primary web framework, Grails. Griffon is also covered. While Grails is the Web framework for building Groovy Web applications, Griffon is the desktop framework for building desktop Groovy applications. Could Groovy be the new Java? It's light, fast and free (open source). This book gets you started with Groovy, Grails and Griffon, and culminates in the example and possible application of some real–world projects. You follow along with the development of each project, implementing and running each application while learning new features along the way.

Summary Grails in Action, Second Edition is a comprehensive introduction to Grails 2 focused on making you super-productive fast. In this totally revised new edition, you'll master Grails 2.3 core skills as you apply TDD techniques to developing a full-scale Twitter clone. Along the way you'll learn the latest single-page web app UI techniques, work with NoSQL backends, integrate with enterprise messaging, and implement a complete RESTful API for your services. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology It may be time for you to stop reconfiguring, rewriting, and recompiling your Java web apps. Grails, a Groovy-powered web framework, hides all that busy work so you can concentrate on what your applications do, not how they're built. In addition to its

famously intuitive dev environment and seamless integration with Spring and Hibernate, the new Grails 2.3 adds improved REST support, better protection against attacks from the web, and better dependency resolution. About the Book Grails in Action, Second Edition is a comprehensive introduction to Grails 2. In this totally revised edition you'll master Grails as you apply TDD techniques to a full-scale example (a Twitter clone). Along the way you'll learn single-page web app techniques, work with NoSQL back ends, integrate with enterprise messaging, implement a RESTful API ... and more. No Java or Groovy knowledge is required. Some web development and OOP experience is helpful. What's Inside Covers Grails 2.3 from the ground up Agile delivery and testing using Spock How to use and manage plugins Tips and tricks from the trenches About the Authors There's no substitute for experience: Glen Smith and Peter Ledbrook have been fixtures in the Grails community, contributing code, blogging, and speaking at conferences worldwide, since Grails 0.2. Table of Contents PART 1 INTRODUCING GRAILS Grails in a hurry The Groovy essentials PART 2 CORE GRAILS Modeling the domain 63 Creating the initial UI Retrieving the data you need Controlling application flow Services and data binding Developing tasty forms, views, and layouts PART 3 EVERYDAY GRAILS Building reliable applications Using plugins: just add water Protecting your application Exposing your app to other programs Single-page web applications (and other

**UI stuff) Understanding Spring and transactions PART 4 ADVANCED GRAILS
Understanding events, messaging, and scheduling NoSQL and Grails Beyond
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GORM kung fu Developing plugins
Construction and Application - Third International Conference on Large-Scale
Knowledge Resources, LKR 2008, Tokyo, Japan, March 3-5, 2008, Proceedings
Groovy in Action
Learning Web Design
Deploying Computer Algorithms to Conquer the Markets
Learning Groovy
Beginning Groovy, Grails and Griffon**

Do you want to build web pages but have no prior experience? This friendly guide is the perfect place to start. You ' ll begin at square one, learning how the web and web pages work, and then steadily build from there. By the end of the book, you ' ll have the skills to create a simple site with multicolumn pages that adapt for mobile devices. Each chapter provides exercises to help you learn various techniques and short quizzes to make sure you understand key concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple

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