

## Php And MongoDB Programming By Example

**Annotation With the rise of Web 2.0, the need for a highly scalable database, capable of storing diverse user-generated content is increasing. MongoDB, an open-source, non-relational database has stepped up to meet this demand and is being used in some of the most popular websites in the world. MongoDB is one of the NoSQL databases which is gaining popularity for developing PHP Web 2.0 applications. PHP and MongoDB Web Development Beginners Guide is a fast-paced, hands-on guide to get started with web application development using PHP and MongoDB. The book follows a Code first, explain later approach, using practical examples in PHP to demonstrate unique features of MongoDB. It does not overwhelm you with information (or starve you of it), but gives you enough to get a solid practical grasp on the concepts. The book starts by introducing the underlying concepts of MongoDB. Each chapter contains practical examples in PHP that teach specific features of the database. The book teaches you to build a blogging application, handle user sessions and authentication, and perform aggregation with MapReduce. You will learn unique MongoDB features and solve interesting problems like real-time analytics, location-aware web apps etc. You will be guided to use MongoDB alongside MySQL**

**to build a diverse data back-end. With its concise coverage of concepts and numerous practical examples, PHP and MongoDB Web Development Beginners Guide is the right choice for the PHP developer to get started with learning MongoDB.**

**Pro MongoDB Development is about MongoDB, a NoSQL database based on the BSON (binary JSON) document model. The book discusses all aspects of using MongoDB in web applications: Java, PHP, Ruby, JavaScript are the most commonly used programming/scripting languages and the book discusses accessing MongoDB database with these languages. The book also discusses using Java EE frameworks Kundera and Spring Data with MongoDB. As NoSQL databases are commonly used with the Hadoop ecosystem the book also discusses using MongoDB with Apache Hive. Migration from other NoSQL databases (Apache Cassandra and Couchbase) and from relational databases (Oracle Database) is also discussed. What You'll Learn: How to use a Java client and MongoDB shell How to use MongoDB with PHP, Ruby, and Node.js as well How to migrate Apache Cassandra tables to MongoDB documents; Couchbase to MongoDB; and transferring data between Oracle and MongoDB How to use Kundera, Spring Data, and Spring XD with MongoDB How to load MongoDB data into Oracle Database and integrating MongoDB with Oracle Database in Oracle**

**Data Integrator Audience:** The target audience of the book is NoSQL database developers. Target audience includes Java, PHP and Ruby developers. The book is suitable for an intermediate level course in NoSQL database.

Whether you're building a social media site or an internal-use enterprise application, this hands-on guide shows you the connection between MongoDB and the business problems it's designed to solve. You'll learn how to apply MongoDB design patterns to several challenging domains, such as ecommerce, content management, and online gaming. Using Python and JavaScript code examples, you'll discover how MongoDB lets you scale your data model while simplifying the development process. Many businesses launch NoSQL databases without understanding the techniques for using their features most effectively. This book demonstrates the benefits of document embedding, polymorphic schemas, and other MongoDB patterns for tackling specific big data use cases, including:

- Operational intelligence:** Perform real-time analytics of business data
- Ecommerce:** Use MongoDB as a product catalog master or inventory management system
- Content management:** Learn methods for storing content nodes, binary assets, and discussions
- Online advertising networks:** Apply techniques for frequency capping ad impressions, and keyword

**targeting and bidding Social networking: Learn how to store a complex social graph, modeled after Google+ Online gaming: Provide concurrent access to character and world data for a multiplayer role-playing game Bring the power of functional programming to your PHP applications. From performance optimizations to concurrency, improved testability to code brevity, functional programming has a host of benefits when compared to traditional imperative programming. Part one of Pro Functional PHP Programming takes you through the basics of functional programming, outlining the key concepts and how they translate into standard PHP functions and code. Part two takes this theory and shows you the strategies for implementing it to solve real problems in your new or existing PHP applications. Functional programming is popular in languages such as Lisp, Scheme and Clojure, but PHP also contains all you need to write functional code. This book will show you how to take advantage of functional programming in your own projects, utilizing the PHP programming language that you already know. What You'll Learn Discover functional programming in PHP Work with functional programming functions Design strategies for high-performance applications Manage business logic with functions Use functional programming in object-oriented and procedural applications Employ helper libraries in your**

**application Process big data with functional PHP Who This Book Is For Programmers and web developers with experience of PHP who are looking to get more out of their PHP coding and be able to do more with PHP. Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.**

**Modern PHP**

**Architecting, Developing, and Administering MongoDB**

**Powerful and Scalable Data Storage**

**Programming PHP**

**Covers Backend, Frontend, APIs, and Mobile App Development using PHP, NodeJS, ExpressJS, Python and React Native**

**Document-Oriented Data for Web Developers**

*Learn how to exploit the impressive power of PHP 7 with this collection of practical project blueprints – begin building better applications for the web today!*

*About This Book Don't just learn PHP 7 – follow a diverse range of practical knowledge to get started quickly Take advantage of PHP 7's newest features – and find out how to use them to solve real development challenges Put PHP to work for performance and scalability – we'll show you how, you do it! Who This Book Is For The book is for web developers, PHP consultants, and anyone who is working on multiple projects with PHP. Basic knowledge of PHP programming is*

***assumed. What You Will Learn Build versatile projects using the newest features PHP 7 has to offer Learn how to use PHP 7's event-driven asynchronous features Find out how to improve the performance of your code with effective techniques and design patterns Get to grips with backend development and find out how to optimize session handling Learn how to use the PHP 7 Abstract Syntax Tree to improve the quality of your code and make it more maintainable Find out how to build a RESTful web service Build your own asynchronous microservice In Detail When it comes to modern web development, performance is everything. The latest version of PHP has been improvised and updated to make it easier to build for performance, improved engine execution, better memory usage, and a new and extended set of tools. If you're a web developer, what's not to love? This guide will show you how to make full use of PHP 7 with a range of practical projects that will not only teach you the principles, but also show you how to put them into practice. It will push and extend your skills, helping you to become a more confident and fluent PHP developer. You'll find out how to build a social newsletter service, a simple blog with a search capability using Elasticsearch, as well as a chat application. We'll also show you how to create a RESTful web service, a database class to manage a shopping cart on an e-commerce site and how to build an asynchronous microservice architecture. With further guidance on using reactive extensions in PHP, we're sure that you'll find everything you***

***need to take full advantage of PHP 7. So dive in now! Style and approach This product focuses on helping developers build projects from scratch. But more than that, each project will help the reader to learn a new facet or feature of PHP 7 – it means the reader really will 'learn by doing.'***

***PHP is experiencing a renaissance, though it may be difficult to tell with all of the outdated PHP tutorials online. With this practical guide, you'll learn how PHP has become a full-featured, mature language with object-orientation, namespaces, and a growing collection of reusable component libraries. Author Josh Lockhart—creator of PHP The Right Way, a popular initiative to encourage PHP best practices—reveals these new language features in action. You'll learn best practices for application architecture and planning, databases, security, testing, debugging, and deployment. If you have a basic understanding of PHP and want to bolster your skills, this is your book. Learn modern PHP features, such as namespaces, traits, generators, and closures Discover how to find, use, and create PHP components Follow best practices for application security, working with databases, errors and exceptions, and more Learn tools and techniques for deploying, tuning, testing, and profiling your PHP applications Explore Facebook's HVVM and Hack language implementations—and how they affect modern PHP Build a local development environment that closely matches your production server***

***Application developers love MongoDB, a document-oriented NoSQL database, for its speed, flexibility, scalability, and ease of use. MongoDB is well-suited as a back-end for modern web applications. Its schema-free design encourages rapid application development, and built-in replication and auto-sharding architecture allow for massive parallel distribution. Production deployments at SourceForge, Foursquare, and Shutterfly demonstrate daily that MongoDB is up to real-world challenges. MongoDB in Action, Second Edition is a comprehensive guide to MongoDB version 2.6. It begins with a general overview of current database systems, explaining what makes MongoDB unique and describing its ideal use cases. Then, a series of tutorials lead into detailed examples for leveraging MongoDB in e-commerce, social networking, and other common applications. A reference section on schema design patterns helps ease the transition from the relational data model of SQL to MongoDB's document-based data model. 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. This book provides alternative approach to build PHP application with Windows/Linux platform and MongoDB database. It describes how to work with PHP and MongoDB and illustrates their use with code examples. The following is highlight topics in book: \* Setup Development Environment \* Hello World - PHP and MongoDB \* MongoDB Authentication \* Manipulating Database \* CRUD***



***Collection Operations \* Working with Identity, Date and Time \* Finding and Querying Data \* Working with Image and Blob Data \* Data Modeling \* Embedded Document***

***MongoDB, a cross-platform NoSQL database, is the fastest-growing new database in the world. MongoDB provides a rich document-oriented structure with dynamic queries that you'll recognize from RDBMS offerings such as MySQL. In other words, this is a book about a NoSQL database that does not require the SQL crowd to re-learn how the database world works! MongoDB has reached 1.0 and boasts 50,000+ users. The community is strong and vibrant and MongoDB is improving at a fast rate. With scalable and fast databases becoming critical for today's applications, this book shows you how to install, administer and program MongoDB without pretending SQL never existed.***

***PHP and MongoDB Programming By Example***

***C, C++, Java, Python, PHP, JavaScript and Linux For Beginners***

***A complete guide to dealing with Big Data using MongoDB***

***Instant MongoDB***

***Data Science Fundamentals for Python and MongoDB***

**PHP and MongoDB Programming By Example** PE Press

This is a hands-on book which introduces you to agile JavaScript web and mobile

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software development using the latest cutting-edge front-end and back-end technologies including: Node.js, MongoDB, Backbone.js, Parse.com, Heroku and Windows Azure. Practical examples include building multiple versions of the Chat app:•jQuery + Parse.com JS REST API•Backbone and Parse.com JS SDK•Backbone and Node.js•Backbone and Node.js + MongoDB The Chat application has all the foundation of a typical web/mobile application: fetching data, displaying it, submitting new data. Other examples in the book are as follows:•jQuery + Twitter RESP API “ Tweet Analyzer ” •Parse.com “ Save John ” •MongoDB “ Print Collections ” •Backbone.js “ Apple Database ” •Monk + Express.js “ REST API Server ” This book will save you many hours by providing a hand-picked and tested collection of quick start guides. RPJS has practical examples that allow to spend less time learning and more time building your own applications. Prototype fast and ship code that matters! What You will Learn: You should expect a basic understanding from a collection of quick start guides, tutorials and suggestions for the development apps discussed in this book. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You ’ ll learn from the examples of Chat web/mobile applications starting with front-end components and by the end we ’ ll put front-end and back-end together and deploy to the production environment. Who This Book is For: The typical programmer who wants to learn more about effective JavaScript coding.

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Expert PHP and MySQL takes you beyond learning syntax to showing you how to apply proven software development methods to building commerce-grade PHP and MySQL projects that will stand the test of time and reliably deliver on customer needs. Developers of real-world applications face numerous problems that seem trivial on the surface, but really do take some skill to get right. Error handling is about more than just the mechanics in the PHP syntax, but also about handling MySQL errors, logging those errors, and about hiding information about application internals that error messages sometimes can expose. Meet these challenges and more head-on! Author Marc Rochkind shows how to begin a project right, with a clear contract and set of written requirements. You ' ll learn about project organization, setting up a solid development environment, connecting with client personnel. Database design is essential, and Expert PHP and MySQL has you covered with guidance on creating a sound model and database, and on pushing functionality into the database as appropriate; not everything should be done in PHP. Error handling is covered at both the PHP and MySQL levels. Application structure is covered. Guidance is provided on reporting. And finally there is conversion. In Expert PHP and MySQL you ' ll explore the following: The popular and widely used combination of PHP and MySQL Commercial-grade application of language and database features Human factors such as planning and organization Organizing a project to meet requirements and satisfy the customer Structuring an application for efficient development and future

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modification Coding PHP for productivity, reliability, security Generating online, downloadable, and printed reports Converting existing data to the new application What would happen if you optimized a data store for the operations application developers actually use? You ' d arrive at MongoDB, the reliable document-oriented database. With this concise guide, you ' ll learn how to build elegant database applications with MongoDB and PHP. Written by the Chief Solutions Architect at 10gen—the company that develops and supports this open source database—this book takes you through MongoDB basics such as queries, read-write operations, and administration, and then dives into MapReduce, sharding, and other advanced topics. Get out of the relational database rut, and take advantage of a high-performing system optimized for operations and scale. Learn step-by-step the tools you need to build PHP applications with MongoDB Perform Create, Read, Update, and Delete (CRUD) operations, and learn how to perform queries to retrieve data Administer your database, and access and manipulate data with the MongoDB Shell Use functions to work with sets, arrays, and multiple documents to perform synchronous, asynchronous, and atomic operations Discover PHP ' s community tools and libraries, and why they ' re valuable Work with regular expressions, aggregation, MapReduce, replication, and sharding Build an application from backend to browser with Node.js, and kick open the doors to real-time event programming. With this hands-on book, you ' ll learn how to create a

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social network application similar to LinkedIn and Facebook, but with a real-time twist. And you ' ll build it with just one programming language: JavaScript. If you ' re an experienced web developer unfamiliar with JavaScript, the book ' s first section introduces you to the project ' s core technologies: Node.js, Backbone.js, and the MongoDB data store. You ' ll then launch into the project—a highly responsive, highly scalable application—guided by clear explanations and lots of code examples. Learn about key modules in Node.js for building real-time apps Use the Backbone.js framework to write clean browser code, and maintain better data integration with MongoDB Structure project files as a foundation for code that will arrive later Create user accounts and learn how to secure the data Use Backbone.js templates to build the application ' s UIs, and integrate access control with Node.js Develop a contact list to help users link to and track other accounts Use Socket.io to create real-time chat functionality Extend your UIs to give users up-to-the-minute information

From Novice to Professional

The Definitive Guide to MongoDB

PHP 8 Programming Tips, Tricks and Best Practices

Web Programming for Business

Patterns and Processes for the Popular Document-oriented Database

Creating Dynamic Web Pages

Need a quick and easy to understand introduction to MongoDB and NoSQL databases?

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MongoDB Basics, from The Definitive Guide to MongoDB, 2E, shows you how a document-oriented database system differs from a relational database, and how to install and get started using it. You'll also learn MongoDB design basics, including geospatial indexing, how to navigate, view, and query your database, and how to use GridFS with a bit of Python.

Web development has grown to become vital in shaping how humans interact, work, learn, and consume. Practical Web Development provides you with a roadmap of web development today, giving you the tools you need and the guidance to keep you creative and productive in a world of disruption and innovation. Beginning with the structure of the Web and the principles of building basic websites with HTML, you will learn about CSS, JavaScript, and PHP, before taking a closer look at some of the leading technologies used to build the modern Web. You will integrate jQuery, Ajax, and JSON into your projects before moving on to the latest tools and techniques in responsive web design, including Zurb Foundation or Bootstrap, to help you meet the challenges of developing for multiple devices, and explore how Node.js offers a powerful solution to server-side application development. This book is for anyone that wants to get to grips with the broader picture of web development today.

2022-23 RSB Study Material & Question Bank

Web Programming for Business: PHP Object-Oriented Programming with Oracle focuses on fundamental PHP coding, giving students practical, enduring skills to solve data and technical problems in business. Using Oracle as the backend database, the book is version-neutral, teaching students code that will still work even with changes to PHP and Oracle. The code is

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clean, clearly explained and solutions-oriented, allowing students to understand how technologies such as XML, RSS or AJAX can be leveraged in business applications. The book is fully illustrated with examples, and includes chapters on: Database functionality Security programming Transformation programming to move data Powerpoint slides, applied exam questions, and the raw code for all examples are available on a companion website. This book offers an innovative approach that allows anyone with basic SQL and HTML skills to learn PHP object-oriented programming.

PHP and MySQL Web Development, Fourth Edition The definitive guide to building database-drive Web applications with PHP and MySQL and MySQL are popular open-source technologies that are ideal for quickly developing database-driven Web applications. PHP is a powerful scripting language designed to enable developers to create highly featured Web applications quickly, and MySQL is a fast, reliable database that integrates well with PHP and is suited for dynamic Internet-based applications. PHP and MySQL Web Development shows how to use these tools together to produce effective, interactive Web applications. It clearly describes the basics of the PHP language, explains how to set up and work with a MySQL database, and then shows how to use PHP to interact with the database and the server. The fourth edition of PHP and MySQL Web Development has been thoroughly updated, revised, and expanded to cover developments in PHP 5 through version 5.3, such as namespaces and closures, as well as features introduced in MySQL 5.1. This is the eBook version of the title. To gain access to the contents on the CD bundled with the printed book, please register your product at

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Expert PHP and MySQL

Learn the skills you need to work with the world's most popular NoSQL database

Practical PHP 7, MySQL 8, and MariaDB Website Databases

Full Stack Development with MongoDB

Pro MongoDB Development

MongoDB Basics

***Design, administer, and deploy high-volume and fault-tolerant database applications using MongoDB 4.x***  
***Key Features***  
***Build a powerful and scalable MongoDB database using real industry data***  
***Understand the process of designing NoSQL schema with the latest release of MongoDB 4.x***  
***Explore the ins and outs of MongoDB, including queries, replication, sharding, and vital admin tasks***  
***Book Description***  
***When it comes to managing a high volume of unstructured and non-relational datasets, MongoDB is the defacto database management system (DBMS) for DBAs and data architects. This updated book includes the latest release and covers every feature in MongoDB 4.x, while helping you get hands-on with building a MongoDB database app. You'll get to grips with MongoDB 4.x concepts such as indexes, database design, data modeling, authentication,***



***and aggregation. As you progress, you'll cover tasks such as performing routine operations when developing a dynamic database-driven website. Using examples, you'll learn how to work with queries and regular database operations. The book will not only guide you through design and implementation, but also help you monitor operations to achieve optimal performance and secure your MongoDB database systems. You'll also be introduced to advanced techniques such as aggregation, map-reduce, complex queries, and generating ad hoc financial reports on the fly. Later, the book shows you how to work with multiple collections as well as embedded arrays and documents, before finally exploring key topics such as replication, sharding, and security using practical examples. By the end of this book, you'll be well-versed with MongoDB 4.x and be able to perform development and administrative tasks associated with this NoSQL database. What you will learn***

***Understand how to configure and install MongoDB 4.x***

***Build a database-driven website using MongoDB as the backend***

***Perform basic database operations and handle complex MongoDB queries***

***Develop a successful MongoDB database design for large corporate customers with complex requirements***

***Secure MongoDB database systems by establishing role-based access control with X.509 transport-level***

***securityOptimize reads and writes directed to a replica set or sharded clusterPerform essential MongoDB administration tasksMaintain database performance through monitoringWho this book is for This book is a MongoDB tutorial for DevOps engineers, database developers, database administrators, system administrators and those who are just getting started with NoSQL and looking to build document-oriented databases and gain real-world experience in managing databases using MongoDB. Basic knowledge of databases and Python is required to get started with this DBMS book.***

***Build interactive, database-driven websites with PHP 7, MySQL 8, and MariaDB. The focus of this book is on getting you up and running as quickly as possible with real-world applications. In the first two chapters, you will set up your development and testing environment, and then build your first PHP and MariaDB or MySQL database-driven website. You will then increase its sophistication, security, and functionality throughout the course of the book. The PHP required is taught in context within each project so you can quickly learn how PHP integrates with MariaDB and MySQL to create powerful database-driven websites. Each project is fully illustrated, so you will see clearly what you are building as you create your***

***own database-driven website. You will build a form for registering users, and then build an interface so that an administrator can view and administer the user database. You will create a message board for users and a method for emailing them. You will also learn the best practices for ensuring that your website databases are secure. Later chapters describe how to create a product catalog, and a simple e-commerce site. You will also discover how to migrate a database to a remote host. The final chapter will demonstrate the advantages of migrating to Oracle's MySQL 8. You will be shown step by step migration directions along with a demonstration of the tools available in SQL Workbench. Because you are building the interactive pages yourself, you will know exactly how MySQL, MariaDB, and PHP all work together, and you will be able to add database interactivity to your own websites with ease. What You Will Learn Build a secure database-driven website using PHP 7, MySQL 8, and MariaDB Create a product catalog Write a message board Move towards e-commerce Employ security and validation measures Migrate to Oracle's MySQL 8 Server platform Who This Book Is For Web developers with HTML, CSS and a limited Bootstrap experience. Readers need little to no prior experience with PHP and MySQL.***

***Explains how to use the open source scripting language to process and validate forms, track sessions, generate dynamic images, create PDF files, parse XML files, create secure scripts, and write C language extensions. The "one-size-fits-all" thinking regarding traditional RDBMSs has been challenged in the last few years by the emergence of diversified NoSQL databases. More than 120 NoSQL databases are now available in the market, and the market leader by far is MongoDB. With so many companies opting for MongoDB as their NoSQL database of choice, there's a need for a practical how-to combined with expert advice for getting the most out of the software. Beginning with a short introduction to the basics of NoSQL databases, MongoDB experts Navin Sabharwal and Shankatala Gupta Edward introduce readers to MongoDB – the leading document based NoSQL database, acquainting them step by step with all aspects of MongoDB. They cover the data model, underlying architecture, how to code using Mongo Shell, and administration of the MongoDB platform, among other topics. The book also provides clear guidelines and practical examples for architecting and developing applications using the MongoDB platform and deploying them. Database developers, architects, and database administrators will find useful information covering all aspects of***

***the MongoDB platform and how to put it to use practically. Practical Guide to MongoDB provides readers with: A solid understanding of NoSQL databases An understanding of how to get started with MongoDB Methodical coverage of the architecture, development, and administration of MongoDB A plethora of "How to's" enabling you to use the technology most efficiently to solve the problems you face Practical MongoDB is for those just starting to learning to work with NoSQL databases in general and MongoDB in particular. Skills in these areas are in demand, making this book essential reading for those who want to work more productively or break into big data work. It will prove equally useful for entrepreneurs and others who like to work with new technologies.***

***An ideal addition to your personal elibrary. With the aid of this indispensable reference book, you may quickly gain a grasp of Python, Java, JavaScript, C, C++, CSS, Data Science, HTML, LINUX and PHP. It can be challenging to understand the programming language's distinctive advantages and charms. Many programmers who are familiar with a variety of languages frequently approach them from a constrained perspective rather than enjoying their full expressivity. Some programmers incorrectly use Programmatic features, which can later result in serious issues. The***

***programmatic method of writing programs—the ideal approach to use programming languages—is explained in this book. This book is for all programmers, whether you are a novice or an experienced pro. Its numerous examples and well paced discussions will be especially beneficial for beginners. Those who are already familiar with programming will probably gain more from this book, of course. I want you to be prepared to use programming to make a big difference.***

***New Features and Good Practices***

***An expert's guide to building fault-tolerant MongoDB applications***

***Application Design and Development***

***Study Material & Question Ban***

***PHP and MySQL Web Development***

***PHP 7 Programming Blueprints***

Learn Full Stack Development (Frontend, Backend, APIs and Mobile App) with Python, PHP, Node.js, React Native and MongoDB KEY FEATURES ? Covers full stack development from start to finish, including frontend, backend, API and mobile app development. ? Includes known programming environments such as Node.js, React Native, Python, and PHP. ? Provides examples, crisp code, and detailed screenshots are provided for every chapter. DESCRIPTION Full-Stack Development with MongoDB and Scaling Your Expertise to Web and Mobile A

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Development is the goal of this book. Starting with the basics, the book will assist any programmer and developer and those who deal with NodeJS, PHP, Python and React Native in setting up their working environment with MongoDB. Various full-stack configurations, libraries and frameworks for mobile and web applications are covered in length in this book. REST API, CRUD operations are also explained in a detailed manner. The skills you learn using PHP, ExpressJS, NodeJS, Python and React Native become increasingly solid as time goes on. Everything in this book has been explained so that, once you begin working on the development while reading it, you will be more experienced in software development, both in web and mobile technologies, when you finish reading it.

**WHAT YOU WILL LEARN ?** Gain exposure to all of the fundamental concepts of Full Stack Development. ? Run to perform and MongoDB CRUD operations. ? Learn how to build RESTful APIs. ? Acquire expertise in popular web technologies such as Node.js, Express.js, Python and Django Framework. ? Develop applications with React Native and develop mobile applications based on MongoDB.

**WHO THIS BOOK IS FOR** This book is for individuals interested in learning Full Stack Development with MongoDB and expanding their expertise to design web and mobile applications with MongoDB. Readers with a working knowledge of MongoDB and any programming language can make maximum use of the book.

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Full Stack development with MongoDB Software Development Basic Topics

1. Client and Server Side Concepts and Introduction to MongoDB Drivers
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PHP 4. Starting up Programming with MongoDB and JavaScript (Node.js) 5. Starting up Programming with MongoDB and React Native 6. Starting up Programming with MongoDB and Python 7. Full Stack Development using MongoDB Full Stack Development with MongoDB Software Development Advanced Topics 8. MongoDB Step by Step Practical Application Development Using PHP 9. MongoDB Step by Step Practical Application Development Using JavaScript (Node.js with Express.js) 10. MongoDB Step by Step Practical Mobile App Development Using React Native 11. MongoDB Step by Step Practical Web Development Using Python

Discover effective techniques, workarounds, and expert guidance for avoiding situations your application might break following PHP 8 migration Key FeaturesGet the hang of all the new features introduced in PHP 8Learn how to detect potential code breaks and keep your application code running smoothly in PHP 8Explore an exciting new trend - asynchronous programming using Swoole and FibersBook Description Thanks to its ease of use, PHP is a highly popular programming language used on over 78% of all web servers connected to the Internet. PHP 8 Programming Tips, Tricks, and Best Practices will help you to get up-to-speed with PHP 8 quickly. The book is intended for any PHP developer who wants to become familiar with the cool new features available in PHP 8, and covers areas where developers might experience backward compatibility issues with their existing code after a PHP 8 update. This book thoroughly explores best practices, and highlights ways in which PHP 8 enforces best practices in a much more rigorous fashion than its earlier versions. You'll start by exploring



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new PHP 8 features in the area of object-oriented programming (OOP), followed by enhancements at the procedural level. You'll then learn about potential backward compatibility breaks and discover best practices for improving performance. The last chapter of the book gives you insights into PHP async, a revolutionary new way of programming, by providing detailed coverage and examples of asynchronous programming using the Swoole extension and Async-Fibers. By the end of this PHP book, you'll not only have mastered the new features, but you'll also know exactly what to watch out for when migrating older PHP applications to PHP 8. You will learn:

- Gain a comprehensive understanding of the new PHP 8 object-oriented features
- Discover new PHP 8 procedural programming enhancements
- Understand improvements in error handling in PHP 8
- Identify potential backward compatibility issues
- Avoid traps and changes in PHP extensions
- Find out which features have been deprecated and/or removed in PHP 8
- Become well-versed with programming best practices enforced by PHP 8
- Who this book is for: This book is for PHP developers at all levels who have experience in PHP 5 or above. If you're just getting started with PHP, you'll find the code examples useful for learning the language. Developers who have worked for a few months on one or more PHP projects will be able to apply the tips and techniques to the code at hand, while those with many years of experience are sure to appreciate the concise coverage of new PHP 8 features.

Over 80 recipes that will take your PHP 7 web development skills to the next level! About the Book This is the most up-to-date book in the market on PHP. It covers the new features in PHP version 7.x, best practices for server-side programming, and MVC frameworks. The recipes

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approach will allow you to explore the unique capabilities that PHP offers to web programmers. Who This Book Is For If you are an aspiring web developer, mobile developer, or backend programmer, then this book is for you as it will take your PHP programming skills to the next level. Basic knowledge of PHP programming is assumed. What You Will Learn Use advanced PHP features, such as the Abstract Syntax Tree, Uniform Variable Syntax, Scalar Type Hints, Generator Delegation, Anonymous Classes, and the Context Sensitive Lexer Discover when PHP 5 code needs to be re-written to avoid backwards-compatibility breaks Improve overall application security and error handling by taking advantage of classes that implement the new throwable interface Solve practical real-world programming problems using PHP Develop middle-wareclasses that allow PHP developers to glue different open source libraries together seamlessly Define and Implement PSR-7 classes Create custom middleware using PSR-7 compliant classes Test and debug your code, and get to know the best practices for PHP 7 PHP 7 comes with a myriad of new features and great tools to optimize your code and make your code perform faster than in previous versions. Most importantly, it allows you to handle high traffic on your websites with low-cost hardware and servers through a multithreaded server. This book demonstrates intermediate to advanced PHP techniques with a focus on PHP 7. Each recipe is designed to solve practical, real-world problems faced by PHP developers yourself every day. We also cover new ways of writing PHP code made possible only in PHP 7. In addition, we discuss backward-compatibility breaks and give you plenty of guidance on when and where PHP 5 code needs to be changed to produce the correct results when

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under PHP 7. This book also incorporates the latest PHP 7.x features. By the end of the book, you will be equipped with the tools and skills required to deliver efficient applications for websites and enterprises. Style and approach This book takes a recipe-based approach with real-world examples that can serve as building blocks for a larger application. Each recipe is self-contained with no external dependencies. This book follows a problem-solution structure so you understand how to deal with various scenarios you may encounter while using PHP in your daily activities.

An expert's guide to build fault tolerant MongoDB application About This Book Master advanced modeling, querying, and administration techniques in MongoDB and become a MongoDB expert Covers the latest updates and Big Data features frequently used by professional MongoDB developers and administrators If your goal is to become a certified MongoDB professional, this book is your perfect companion Who This Book Is For Mastering MongoDB is a book for database developers, architects, and administrators who want to learn how to use MongoDB more effectively and productively. If you have experience in, and are interested in working with, NoSQL databases to build apps and websites, then this book is for you. What You Will Learn Get hands-on with advanced querying techniques such as indexing, aggregation expressions, arrays, and more. Configure, monitor, and maintain highly scalable MongoDB in a production environment like an expert. Master replication and data sharding to optimize read/write performance. Design secure and robust applications based on MongoDB. Administer MongoDB in a multi-tier based applications on-premise or in the cloud Scale MongoDB to achieve your design goals

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Integrate MongoDB with big data sources to process huge amounts of data In Detail MongoDB has grown to become the de facto NoSQL database with millions of users—from small Fortune 500 companies. Addressing the limitations of SQL schema-based databases, MongoDB pioneered a shift of focus for DevOps and offered sharding and replication maintainable DevOps teams. The book is based on MongoDB 3.x and covers topics ranging from data querying using the shell, built in drivers, and popular ODM mappers to more advanced such as sharding, high availability, and integration with big data sources. You will get an overview of MongoDB and how to play to its strengths, with relevant use cases. After you will learn how to query MongoDB effectively and make use of indexes as much as possible. The next part deals with the administration of MongoDB installations on-premise or in the cloud. We deal with database internals in the next section, explaining storage systems and how they affect performance. The last section of this book deals with replication and MongoDB along with integration with heterogeneous data sources. By the end of this book, you will be equipped with all the required industry skills and knowledge to become a certified MongoDB developer and administrator. Style and approach This book takes a practical, step-by-step approach to explain the concepts of MongoDB. Practical use-cases involving real-world examples are used throughout the book to clearly explain theoretical concepts. The Definitive Guide to MongoDB, Third Edition, is updated for MongoDB 3 and includes the latest MongoDB features, including the aggregation framework introduced in version 2.6 and hashed indexes in version 2.4. The Third Edition also now includes Python. MongoDB

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most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco provide their expertise and experience in teaching you everything you need to know to MongoDB pro.

Web Database Applications with PHP and MySQL

Pro Functional PHP Programming

A practical guide to PHP 8 features, usage changes, and advanced programming techn

Rapid Prototyping and Scalable Deployment

A guide to understanding MongoDB development and administration for NoSQL develop

MongoDB: The Definitive Guide

***Why is PHP the most widely used programming language on the web? This updated edition teaches everything you need to know to create effective web applications using the latest features in PHP 7.4. You'll start with the big picture and then dive into language syntax, programming techniques, and other details, using examples that illustrate both correct usage and common idioms. If you have a working knowledge of HTML, authors Kevin Tatroe and Peter MacIntyre provide many style tips and practical programming advice in a clear and concise manner to help you become a top-notch PHP programmer. Understand what's possible when you use PHP programs Learn language fundamentals, including data types, variables, operators, and flow control statements Explore functions, strings, arrays, and objects Apply common web application techniques, such as form***

***processing, data validation, session tracking, and cookies Interact with relational databases like MySQL or NoSQL databases such as MongoDB Generate dynamic images, create PDF files, and parse XML files Learn secure scripts, error handling, performance tuning, and other advanced topics Get a quick reference to PHP core functions and standard extensions***

***\* This best-selling title has comprehensive discussions about PHP 5, MySQL 5, and how these two popular open source technologies work together to create powerful websites. \* Updated to reflect the new features found in MySQL's most significant release to date. Readers are introduced to advanced database features like triggers, stored procedures, and views. They learn how to integrate these new capabilities into their PHP-driven web applications. The book also discusses PHP's new MySQL extension, mysqli, which is required for MySQL versions 4.1 and higher. \* Packed with hundreds of practical examples covering all aspects of web development, including forms management, templating, database integration, Web services, security, and session handling.***

***The Definitive Guide to MongoDB, Second Edition, is updated for the latest version and includes all of the latest MongoDB features, including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4. MongoDB is the most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco Plugge, provide their expertise and experience in teaching you everything you need to know to become a MongoDB pro.***

***With modern tools, it is possible to create a production grade, full-stack application using HTML, CSS, and JavaScript alone. The combination of MongoDB, Express, AngularJS, and Node.js has become so popular that it has earned the title MEAN stack -- the subject of this book. This book explores the MEAN stack in detail. We will begin by covering Node.js, as it will lay the groundwork for all of our server-side work. You will learn how to get Node running on your local machine as well as download modules using npm. The key aspects of the Node.js programming model will also be covered. From there, we will move on to MongoDB, where you'll learn how to interact with Mongo from a Node application. You will also learn how to create, retrieve, update, and delete data from a Mongo store. After you have a solid grasp on Node and Mongo, the book will move on to the Express web server. We'll cover the basics of Express applications via topics like routes and middleware. Building on previous chapters, we will cover the integration of Node, Mongo, and Express. Our coverage of the MEAN stack will wrap up with several chapters on AngularJS. These chapters will cover Angular fundamentals like data binding, directives, controllers, routing, and services. In an effort to explore competing technologies, a slight introduction to Ember.js will also be provided. Full stack JavaScript is not fully encompassed by the MEAN stack. There is an entire ecosystem of JavaScript tools to learn about, and this book will introduce a few of them. We will cover task runners Gulp.js and Grunt.js which are extremely useful for automating mundane, repetitive tasks. We'll also cover JSHint, a linting tool used to improve code quality. Linting tools analyze***

***source code and report potentials issues - a feature that is especially useful in non-compiled languages like JavaScript.***

***A fast paced guide that will help you to create, read, update and delete data using MongoDB Key Features Create secure databases with MongoDB Manipulate and maintain your database Model and use data in a No SQL environment with MongoDB Book Description MongoDB has grown to become the de facto NoSQL database with millions of users, from small start-ups to Fortune 500 companies. It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. Written for version 4 of MongoDB, this book is the easiest way to get started with MongoDB. You will start by getting a MongoDB installation up and running in a safe and secure manner. You will learn how to perform mission-critical create, read, update, and delete operations, and set up database security. You will also learn about advanced features of MongoDB such as the aggregation pipeline, replication, and sharding. You will learn how to build a simple web application that uses MongoDB to respond to AJAX queries, and see how to make use of the MongoDB programming language driver for PHP. The examples incorporate new features available in MongoDB version 4 where appropriate. What you will learn Get a standard MongoDB database up and running quickly Perform simple CRUD operations on the database using the MongoDB command shell Set up a simple aggregation pipeline to return subsets of data grouped, sorted, and filtered Safeguard your data via replication and handle massive amounts of data via sharding Publish data from a web form to the***



**database using a program language driver Explore the basic CRUD operations performed using the PHP MongoDB driver Who this book is for Web developers, IT professionals and Database Administrators (DBAs) who want to learn how to create and manage MongoDB databases.**

**Full Stack JavaScript Development With MEAN**

**PHP and MongoDB Web Development Beginner's Guide**

**PHP Object-Oriented Programming with Oracle**

**MongoDB and PHP**

**Learn MongoDB 4.x**

**MongoDB and Python**

Manage the huMONGOUS amount of data collected through your web application with MongoDB. This authoritative introduction—written by a core contributor to the project—shows you the many advantages of using document-oriented databases, and demonstrates how this reliable, high-performance system allows for almost infinite horizontal scalability. This updated second edition provides guidance for database developers, advanced configuration for system administrators, and an overview of the concepts and use cases for other people on your project. Ideal for NoSQL newcomers and experienced MongoDB users alike, this guide provides numerous real-world schema design examples. Get started with MongoDB core concepts and vocabulary Perform basic write operations at different levels of safety and speed Create complex queries, with options for limiting, skipping, and sorting results Design an application that works well

**with MongoDB Aggregate data, including counting, finding distinct values, grouping documents, and using MapReduce Gather and interpret statistics about your collections and databases Set up replica sets and automatic failover in MongoDB Use sharding to scale horizontally, and learn how it impacts applications Delve into monitoring, security and authentication, backup/restore, and other administrative tasks**

**"MongoDB and Python" is a cookbook-style text to help Python programmers work with MongoDB. It is full of useful, practical recipes for solving real-world problems ranging from how to do fast geo queries for location-based apps to efficiently indexing your user documents for social-graph lookups to how best to integrate MongoDB with the Pyramid Web framework.**

**Build the foundational data science skills necessary to work with and better understand complex data science algorithms. This example-driven book provides complete Python coding examples to complement and clarify data science concepts, and enrich the learning experience. Coding examples include visualizations whenever appropriate. The book is a necessary precursor to applying and implementing machine learning algorithms. The book is self-contained. All of the math, statistics, stochastic, and programming skills required to master the content are covered. In-depth knowledge of object-oriented programming isn't required because complete examples are provided and explained. Data Science Fundamentals with Python and MongoDB is an excellent starting point for those interested in pursuing a career in data science. Like any science, the fundamentals of data**

science are a prerequisite to competency. Without proficiency in mathematics, statistics, data manipulation, and coding, the path to success is “rocky” at best. The coding examples in this book are concise, accurate, and complete, and perfectly complement the data science concepts introduced. What You'll Learn Prepare for a career in data science Work with complex data structures in Python Simulate with Monte Carlo and Stochastic algorithms Apply linear algebra using vectors and matrices Utilize complex algorithms such as gradient descent and principal component analysis Wrangle, cleanse, visualize, and problem solve with data Use MongoDB and JSON to work with data Who This Book Is For The novice yearning to break into the data science world, and the enthusiast looking to enrich, deepen, and develop data science skills through mastering the underlying fundamentals that are sometimes skipped over in the rush to be productive. Some knowledge of object-oriented programming will make learning easier. Platform-as-a-Service (PaaS) is gaining serious traction among web and mobile developers, but as new PaaS providers emerge and existing vendors upgrade their features, it's hard to keep track of what PaaS has to offer. This thorough introduction takes you through the PaaS model from a developer's point of view, and breaks down the types of services that Google App Engine, Windows Azure, Heroku, Cloud Foundry, and others deliver. Whether you're an entrepreneur or part of a large enterprise development team, this book shows you how PaaS can help you focus on innovative applications, rather than spend your time worrying about technical operations. Track the cloud's evolution

**from IaaS and DevOps to PaaS Learn how PaaS combines the simplicity of shared web hosting with the control of dedicated hosting Explore the benefits of both portable and non-portable PaaS options Apply best practices for moving legacy apps to PaaS—and understand the challenges involved Write new applications for PaaS from scratch with RESTful meta-services Use PaaS to build mobile apps with backend services that scale Examine the core services that each major provider currently offers Learn the situations in which PaaS might not be advantageous**

**If you are a web programmer, you need to know modern PHP. This book presents with many new areas in which PHP plays a large role. If you want to write a mobile application using geo-location data, Pro PHP Programming will show you how. Additionally, if you need to make sure that you can write a multilingual indexing application using Sphinx, this book will help you avoid the pitfalls. Of course, Pro PHP Programming gives a thorough survey of PHP post-5.3. You'll begin by working through an informative survey and clear guide to object-oriented PHP. Then, you'll be set for the core of the book on modern PHP applications. Now, you'll be able to start with the chapter on PHP for mobile programming and move on to sampling social media applications. You'll also be guided through new PHP programming language features like closures and namespaces. Pro PHP Programming deals with filtering data from users and databases next, so you'll be well prepared for relational and NoSQL databases. Of course, you can also learn about data retrieval from other sources, like OCR libraries or websites. Then the question of how to**

**format and present data arises, and in Pro PHP Programming, you'll find solutions via JSON, AJAX and XML.**

**Programming for PaaS**

**Mongodb in Action**

**A Practical Guide to Coding for Platform-as-a-Service**

**Practical MongoDB**

**Beginning PHP and MySQL 5**

**MongoDB 4 Quick Start Guide**

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. MongoDB Starter is a fast and practical guide designed to help you start developing high-performance and scalable applications using MongoDB. MongoDB Starter is ideal for developers who are new to MongoDB and who need a no-nonsense guide on how to start working with it. No knowledge of MongoDB is required to follow this book, but some knowledge of C++ would be helpful.

PHP 7 Programming Cookbook

Full Stack JavaScript

The NoSQL Database for Cloud and Desktop Computing

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Practical Web Development

Pro PHP Programming

Application Development Strategies for Performance Optimization,  
Concurrency, Testability, and Code Brevity