

MongoDB Certified



Associate Developer

# Mongodb Developer Certification

**A Gutmann**



## **Mongodb Developer Certification:**

**Hands-On Full Stack Development with Spring Boot 2 and React** Juha Hinkula, 2019-05-23 A comprehensive guide to building full stack applications covering frontend and server side programming data management and web security Key Features Unleash the power of React Hooks to build interactive and complex user interfaces Build scalable full stack applications designed to meet demands of modern users Understand how the Axios library simplifies CRUD operations Book Description React Hooks have changed the way React components are coded They enable you to write components in a more intuitive way without using classes which makes your code easier to read and maintain Building on from the previous edition this book is updated with React Hooks and the latest changes introduced in create react app and Spring Boot 2 1 This book starts with a brief introduction to Spring Boot You ll understand how to use dependency injection and work with the data access layer of Spring using Hibernate as the ORM tool You ll then learn how to build your own RESTful API endpoints for web applications As you advance the book introduces you to other Spring components such as Spring Security to help you secure the backend Moving on you ll explore React and its app development environment and components for building your frontend Finally you ll create a Docker container for your application by implementing the best practices that underpin professional full stack web development By the end of this book you ll be equipped with all the knowledge you need to build modern full stack applications with Spring Boot for the backend and React for the frontend What you will learn Create a RESTful web service with Spring Boot Grasp the fundamentals of dependency injection and how to use it for backend development Discover techniques for securing the backend using Spring Security Understand how to use React for frontend programming Benefit from the Heroku cloud server by deploying your application to it Delve into the techniques for creating unit tests using JUnit Explore the Material UI component library to make more user friendly user interfaces Who this book is for If you are a Java developer familiar with Spring but are new to building full stack applications this is the book for you

**Java 9 Dependency Injection** Nilang Patel, Krunal Patel, 2018-04-26 Create clean code with Dependency Injection principles Key Features Use DI to make your code loosely coupled to manage and test your applications easily on Spring 5 and Google Guice Learn the best practices and methodologies to implement DI Write more maintainable Java code by decoupling your objects from their implementations Book Description Dependency Injection DI is a design pattern that allows us to remove the hard coded dependencies and make our application loosely coupled extendable and maintainable We can implement DI to move the dependency resolution from compile time to runtime This book will be your one stop guide to write loosely coupled code using the latest features of Java 9 with frameworks such as Spring 5 and Google Guice We begin by explaining what DI is and teaching you about IoC containers Then you ll learn about object compositions and their role in DI You ll find out how to build a modular application and learn how to use DI to focus your efforts on the business logic unique to your application and let the framework handle the infrastructure work to put it all together Moving on you ll gain

knowledge of Java 9 s new features and modular framework and how DI works in Java 9 Next we ll explore Spring and Guice the popular frameworks for DI You ll see how to define injection keys and configure them at the framework specific level After that you ll find out about the different types of scopes available in both popular frameworks You ll see how to manage dependency of cross cutting concerns while writing applications through aspect oriented programming Towards the end you ll learn to integrate any third party library in your DI enabled application and explore common pitfalls and recommendations to build a solid application with the help of best practices patterns and anti patterns in DI What you will learn Understand the benefits of DI and fo from a tightly coupled design to a cleaner design organized around dependencies See Java 9 s new features and modular framework Set up Guice and Spring in an application so that it can be used for DI Write integration tests for DI applications Use scopes to handle complex application scenarios Integrate any third party library in your DI enabled application Implement Aspect Oriented Programming to handle common cross cutting concerns such as logging authentication and transactions Understand IoC patterns and anti patterns in DI Who this book is for This book is for Java developers who would like to implement DI in their application Prior knowledge of the Spring and Guice frameworks and Java programming is assumed [Mastering Apache Solr 7.x](#) Sandeep Nair,Chintan Mehta,Dharmesh Vasoya,2018-02-22 Accelerate your enterprise search engine and bring relevancy in your search analytics Key Features A practical guide in building expertise with Indexing Faceting Clustering and Pagination Master the management and administration of Enterprise Search Applications and services seamlessly Handle multiple data inputs such as JSON xml pdf doc xls ppt csv and much more Book Description Apache Solr is the only standalone enterprise search server with a REST like application interface providing highly scalable distributed search and index replication for many of the world s largest internet sites To begin with you would be introduced to how you perform full text search multiple filter search perform dynamic clustering and so on helping you to brush up the basics of Apache Solr You will also explore the new features and advanced options released in Apache Solr 7 x which will get you numerous performance aspects and making data investigation simpler easier and powerful You will learn to build complex queries extensive filters and how are they compiled in your system to bring relevance in your search tools You will learn to carry out Solr scoring elements affecting the document score and how you can optimize or tune the score for the application at hand You will learn to extract features of documents writing complex queries in re ranking the documents You will also learn advanced options helping you to know what content is indexed and how the extracted content is indexed Throughout the book you would go through complex problems with solutions along with varied approaches to tackle your business needs By the end of this book you will gain advanced proficiency to build out of box smart search solutions for your enterprise demands What you will learn Design schema using schema API to access data in the database Advance querying and fine tuning techniques for better performance Get to grips with indexing using Client API Set up a fault tolerant and highly available server with newer distributed capabilities SolrCloud Explore Apache Tika to

upload data with Solr Cell Understand different data operations that can be done while indexing Master advanced querying through Velocity Search UI faceting and Query Re ranking pagination and spatial search Learn to use JavaScript Python SolrJ and Ruby for interacting with Solr Who this book is for The book would rightly appeal to developers software engineers data engineers and database architects who are building or seeking to build enterprise wide effective search engines for business intelligence Prior experience of Apache Solr or Java programming is must to take the best of this book *Spring 5.0 Projects* Nilang Patel,2019-02-28 Discover the latest features of Spring framework by building robust fast and reactive web applications Key FeaturesTake advantage of all the features of Spring 5 0 with third party tools to build a robust back endSecure Spring based web application using Spring Security framework with LDAP and OAuth protocolDevelop robust and scalable microservice based applications on Spring Cloud using Spring BootBook Description Spring makes it easy to create RESTful applications merge with social services communicate with modern databases secure your system and make your code modular and easy to test With the arrival of Spring Boot developers can really focus on the code and deliver great value with minimal contour This book will show you how to build various projects in Spring 5 0 using its features and third party tools We ll start by creating a web application using Spring MVC Spring Data the World Bank API for some statistics on different countries and MySQL database Moving ahead you ll build a RESTful web services application using Spring WebFlux framework You ll be then taken through creating a Spring Boot based simple blog management system which uses Elasticsearch as the data store Then you ll use Spring Security with the LDAP libraries for authenticating users and create a central authentication and authorization server using OAuth 2 protocol Further you ll understand how to create Spring Boot based monolithic application using JHipster Toward the end we ll create an online book store with microservice architecture using Spring Cloud and Netflix OSS components and a task management system using Spring and Kotlin By the end of the book you ll be able to create coherent and flexible real time web applications using Spring Framework What you will learnBuild Spring based application using Bootstrap template and JQueryUnderstand the Spring WebFlux framework and how it uses Reactor libraryInteract with Elasticsearch for indexing querying and aggregating dataCreate a simple monolithic application using JHipsterUse Spring Security and Spring Security LDAP and OAuth libraries for AuthenticationDevelop a microservice based application with Spring Cloud and NetflixWork on Spring Framework with KotlinWho this book is for This book is for competent Spring developers who wish to understand how to develop complex yet flexible applications with Spring You must have a good knowledge of Java programming and be familiar with the basics of Spring **Just Code** Associate Director Charles Babbage Institute and Faculty Jeffrey R Yost,Jeffrey R. Yost,Gerardo Con Díaz,2025-11-25 This book examines how IT giants use software algorithms and systems to reinforce global social inequalities It offers scholars and students a broad analysis of the power structures embedded in digital technologies and serves as an accessible resource for introducing the diverse methods and perspectives needed to understand these issues *Social Data Analytics in the Cloud*

*with AI* Xuebin Wei, Xinyue Ye, 2024-12-30 The rise of cloud computing and Generative artificial intelligence AI has revolutionized data analytics pipelines Analysts can collect store and process vast datasets in the cloud with high availability and scalability and also leverage Generative AI to query and visualize datasets in natural languages This pioneering textbook provides a gateway for students educators and professionals to develop and enhance social data analytics capabilities with the latest cloud computing and AI technologies The textbook introduces educational cloud resources from leading technology companies begins with foundational concepts and progresses to advanced techniques Features The first textbook on cloud based social data analytics with the assistance of Generative AI Introduces educational cloud resources from leading technology companies like AWS GitHub and MongoDB Presents a fully AI powered data analytics pipeline from Python coding to data collection with APIs cloud based data storage natural language queries and interactive visualization Analyzes Census and social media data with the latest large language models LLMs Provides hands on exercises with real world datasets on timely issues This textbook is an excellent resource for upper level undergraduate and graduate students taking GIS Urban Informatics Social Science Data Analysis and Data Science courses faculty members teaching such courses and professionals and researchers interested in leveraging cloud computing and Generative AI in social data analytics

**Mastering Predictive Analytics with R** James D. Miller, Rui Miguel Forte, 2017-08-18 Master the craft of predictive modeling in R by developing strategy intuition and a solid foundation in essential concepts About This Book Grasping the major methods of predictive modeling and moving beyond black box thinking to a deeper level of understanding Leveraging the flexibility and modularity of R to experiment with a range of different techniques and data types Packed with practical advice and tips explaining important concepts and best practices to help you understand quickly and easily Who This Book Is For Although budding data scientists predictive modelers or quantitative analysts with only basic exposure to R and statistics will find this book to be useful the experienced data scientist professional wishing to attain master level status will also find this book extremely valuable This book assumes familiarity with the fundamentals of R such as the main data types simple functions and how to move data around Although no prior experience with machine learning or predictive modeling is required there are some advanced topics provided that will require more than novice exposure What You Will Learn Master the steps involved in the predictive modeling process Grow your expertise in using R and its diverse range of packages Learn how to classify predictive models and distinguish which models are suitable for a particular problem Understand steps for tidying data and improving the performing metrics Recognize the assumptions strengths and weaknesses of a predictive model Understand how and why each predictive model works in R Select appropriate metrics to assess the performance of different types of predictive model Explore word embedding and recurrent neural networks in R Train models in R that can work on very large datasets In Detail R offers a free and open source environment that is perfect for both learning and deploying predictive modeling solutions With its constantly growing community and plethora of packages R offers the

functionality to deal with a truly vast array of problems The book begins with a dedicated chapter on the language of models and the predictive modeling process You will understand the learning curve and the process of tidying data Each subsequent chapter tackles a particular type of model such as neural networks and focuses on the three important questions of how the model works how to use R to train it and how to measure and assess its performance using real world datasets How do you train models that can handle really large datasets This book will also show you just that Finally you will tackle the really important topic of deep learning by implementing applications on word embedding and recurrent neural networks By the end of this book you will have explored and tested the most popular modeling techniques in use on real world datasets and mastered a diverse range of techniques in predictive analytics using R Style and approach This book takes a step by step approach in explaining the intermediate to advanced concepts in predictive analytics Every concept is explained in depth supplemented with practical examples applicable in a real world setting

**Practical Microservices with Dapr and .NET**  
Davide Bedin, Mark Russinovich, 2022-11-11 Use the innovative highly portable event driven distributed application runtime to simplify building resilient and scalable microservices for cloud and edge applications Purchase of the print or Kindle book includes a free eBook in the PDF format

**Key Features** Build resilient stateless and stateful microservice applications that run on the cloud and edge Overcome common issues in distributed systems such as low latency and scaling using any language and framework Learn how to expose and operate Dapr applications with multiple options

**Book Description** This second edition will help you get to grips with microservice architectures and how to manage application complexities with Dapr in no time You'll understand how Dapr simplifies development while allowing you to work with multiple languages and platforms Following a C sample you'll understand how Dapr's runtime building blocks and software development kits SDKs help you to simplify the creation of resilient and portable microservices Dapr provides an event driven runtime that supports the essential features you need for building microservices including service invocation state management and publish subscribe messaging You'll explore all of those in addition to various other advanced features with this practical guide to learning Dapr With a focus on deploying the Dapr sample application to an Azure Kubernetes Service cluster and to the Azure Container Apps serverless platform you'll see how to expose the Dapr application with NGINX YARP and Azure API Management By the end of this book you'll be able to write microservices easily by implementing industry best practices to solve problems related to distributed systems What you will learn Use Dapr to create services invoking them directly and via pub sub Discover best practices for working with microservice architectures Leverage the actor model to orchestrate data and behavior Expose API built with Dapr applications via NGINX and Azure API Management Use Azure Kubernetes Service to deploy a sample application Monitor Dapr applications using Zipkin Prometheus and Grafana Scale and load test Dapr applications on Kubernetes Get to grips with Azure Container Apps as you combine Dapr with a serverless platform Who this book is for This book is for developers looking to explore and implement microservices architectures in Dapr applications using .NET

examples Whether you are new to microservices or have knowledge of this architectural approach and want to get hands on experience using Dapr you ll find this book useful Familiarity with NET will help you to understand the C samples and code snippets used in the book [CCFP Certified Cyber Forensics Professional All-in-One Exam Guide](#) Chuck Easttom,2014-08-29 Get complete coverage of all six CCFP exam domains developed by the International Information Systems Security Certification Consortium ISC 2 Written by a leading computer security expert this authoritative guide fully addresses cyber forensics techniques standards technologies and legal and ethical principles You ll find learning objectives at the beginning of each chapter exam tips practice exam questions and in depth explanations Designed to help you pass the exam with ease this definitive volume also serves as an essential on the job reference **COVERS ALL SIX EXAM DOMAINS** Legal and ethical principles Investigations Forensic science Digital forensics Application forensics Hybrid and emerging technologies **ELECTRONIC CONTENT INCLUDES 250 practice exam questions** Test engine that provides full length practice exams and customized quizzes by chapter or by exam domain [Mastering MongoDB 7.0](#) Marko Aleksendrić,Arek Borucki,Leandro Domingues,Malak Abu Hammad,Elie Hannouch,Rajesh Nair,Rachelle Palmer,2024-01-05 Gain MongoDB expertise and discover advanced queries and Atlas insights with this ultimate guide to version 7 0 **Key Features** Enhance your proficiency in advanced queries aggregation and optimized indexing to achieve peak MongoDB performance Monitor back up and integrate applications effortlessly with MongoDB Atlas Implement security thorough RBAC auditing and encryption to ensure comprehensive data protection and privacy Purchase of the print or Kindle book includes a free PDF eBook **Book Description**Mastering MongoDB 7 0 explores the latest version of MongoDB an exceptional NoSQL database solution that aligns with the needs of modern web applications This book starts with an informative overview of MongoDB s architecture and developer tools guiding you through the process of connecting to databases seamlessly This MongoDB book explores advanced queries in detail including aggregation pipelines and multi document ACID transactions It delves into the capabilities of the MongoDB Atlas developer data platform and the latest features such as Atlas Vector Search and their role in AI applications enabling developers to build applications with the scalability and performance that today s organizations need It also covers the creation of resilient search functionality using MongoDB Atlas Search **Mastering MongoDB 7 0 s** deep coverage of advanced techniques encompasses everything from role based access control RBAC to user management auditing practices and encryption across data network and storage layers By the end of this book you ll have developed the skills necessary to create efficient secure and high performing applications using MongoDB You ll have the confidence to undertake complex queries integrate robust applications and ensure data security to overcome modern data challenges What you will learn **Execute advanced MongoDB queries for intricate data insights** Harness the power of aggregation pipelines to transform data **Ensure data integrity with multi document ACID transactions** Optimize query performance using strategic indexing techniques **Navigate MongoDB Atlas seamlessly for monitoring and backups** Enable robust search functionality with

Atlas Search Master RBAC user management and data encryption for security Implement auditing practices for transparency and accountability Who this book is for This book is for developers with an intermediate skill level who aim to become MongoDB experts Working knowledge of MongoDB is recommended to gain the most from this guide Ideal for database administrators app developers and software engineers this book will assist you in developing advanced skills to conquer intricate data tasks

**MongoDB: The Definitive Guide** Shannon Bradshaw,Eoin Brazil,Kristina Chodorow,2019-12-09 Manage your data with a system designed to support modern application development Updated for MongoDB 4.2 the third edition of this authoritative and accessible guide shows you the advantages of using document oriented databases You'll learn how this secure high performance system enables flexible data models high availability and horizontal scalability Authors Shannon Bradshaw Eoin Brazil and Kristina Chodorow provide guidance for database developers advanced configuration for system administrators and use cases for a variety of projects NoSQL newcomers and experienced MongoDB users will find updates on querying indexing aggregation transactions replica sets ops management sharding and data administration durability monitoring and security In six parts this book shows you how to Work with MongoDB perform write operations find documents and create complex queries Index collections aggregate data and use transactions for your application Configure a local replica set and learn how replication interacts with your application Set up cluster components and choose a shard key for a variety of applications Explore aspects of application administration and configure authentication and authorization Use stats when monitoring back up and restore deployments and use system settings when deploying MongoDB

Mastering MongoDB 3.x Alex Giamas,2017-11-17 An expert's guide to build fault tolerant MongoDB application About This Book Master the 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 expressions arrays and more Configure monitor and maintain highly scalable MongoDB environment like an expert Master replication and data sharding to optimize read write performance Design secure and robust applications based on MongoDB Administer MongoDB based applications on premise or in the cloud Scale MongoDB to achieve your design goals 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 startups to 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 by DevOps teams The book is based on MongoDB 3.x and covers topics ranging from

database querying using the shell built in drivers and popular ODM mappers to more advanced topics 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 that 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 can affect performance The last section of this book deals with replication and MongoDB scaling along with integration with heterogeneous data sources By the end 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 **50**

**Tips and Tricks for MongoDB Developers** Kristina Chodorow,2011-04-19 Getting started with MongoDB is easy but once you begin building applications with it you ll face some complex issues What are the tradeoffs between normalized and denormalized data How do you handle replica set failure and failover This collection of MongoDB tips tricks and hacks helps you resolve issues with everything from application design and implementation to data safety and monitoring You get specific guidance in five topic areas directly from engineers at 10gen the company that develops and supports this open source database Application Design Tips What to keep in mind when designing your schema Implementation Tips Programming applications against MongoDB Optimization Tips Speeding up your applications Data Safety Tips Using replication and journaling to keep data safe without sacrificing too much performance Administration Tips How to configure MongoDB and keep it running smoothly [MongoDB Data Modeling and Schema Design](#) Daniel Coupal,Pascal Desmarets,Steve Hoberman,2023-05-24 Each book in the Align Refine Design series covers conceptual logical and physical data modeling schema design for a specific database product combining the best of data modeling practices with solution specific considerations which lead to effective communication tools and extensible datastore foundations Read MongoDB Data Modeling and Schema Design if you are a data architect or modeler who needs to expand your modeling skills to include MongoDB or if you are a database administrator or developer who knows MongoDB but needs to expand your schema design skills The book s introduction and three chapters cover the proven approach The introduction covers the three modeling characteristics of precise minimal and visual the three model components of entities relationships and attributes the three model levels of conceptual align logical refine and physical design the three modeling perspectives of relational dimensional and NoSQL and the three modeling challenges with NoSQL tactical strategy and cultural Next Chapter 1 covers Align Chapter 2 Refine and Chapter 3 Design An animal shelter case study creates continuity across these three modeling levels If you are interested in learning how to build multiple database solutions read all the books in the Align Refine Design series Since each book is created from the same template once you read one you ll be able to pick up the techniques for another

database solution quickly

**MongoDB Administrator's Guide** Cyrus Dasadia,2017-10-25 Manage fine tune secure and deploy your MongoDB solution with ease with the help of practical recipes About This Book Configure and deploy your MongoDB instance securely without any hassle Optimize your database s query performance perform scale out operations and make your database highly available Practical guide with a recipe based approach to help you tackle any problem in the application and database administration aspects of MongoDB Who This Book Is For Database administrators with a basic understanding of the features of MongoDB and who want to professionally configure deploy and administer a MongoDB database will find this book essential If you are a MongoDB developer and want to get into MongoDB administration this book will also help you What You Will Learn Install and deploy MongoDB in production Manage and implement optimal indexes Optimize monitoring in MongoDB Fine tune the performance of your queries Debug and diagnose your database s performance Optimize database backups and recovery and ensure high availability Make your MongoDB instance scalable Implement security and user authentication features in MongoDB Master optimal cloud deployment strategies In Detail MongoDB is a high performance and feature rich NoSQL database that forms the backbone of the systems that power many different organizations Packed with many features that have become essential for many different types of software professional and incredibly easy to use this cookbook contains more than 100 recipes to address the everyday challenges of working with MongoDB Starting with database configuration you will understand the indexing aspects of MongoDB The book also includes practical recipes on how you can optimize your database query performance perform diagnostics and query debugging You will also learn how to implement the core administration tasks required for high availability and scalability achieved through replica sets and sharding respectively You will also implement server security concepts such as authentication user management role based access models and TLS configuration You will also learn how to back up and recover your database efficiently and monitor server performance By the end of this book you will have all the information you need along with tips tricks and best practices to implement a high performance MongoDB solution Style and approach This practical book follows a problem solution approach to help you tackle any issues encountered while performing MongoDB administrative tasks Each recipe is detailed and explained in a very easy to understand manner

**Learn MongoDB 4.x** Doug Bierer,2020-09-11 Design administer and deploy high volume and fault tolerant database applications using MongoDB 4 x Key FeaturesBuild a powerful and scalable MongoDB database using real industry dataUnderstand the process of designing NoSQL schema with the latest release of MongoDB 4 xExplore the ins and outs of MongoDB including queries replication sharding and vital admin tasksBook 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 security Optimize reads and writes directed to a replica set or sharded cluster Perform essential MongoDB administration tasks Maintain database performance through monitoring Who 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

*Pivotal Certified Professional Spring Developer Exam* Iuliana Cosmina, 2016-12-22 Pass the Pivotal Certified Professional exam using source code examples study summaries and mock exams In this book you ll find a descriptive overview of certification related Spring modules and a single example application demonstrating the use of all required Spring modules Also it is suitable as an introductory primer for Spring newcomers Furthermore in Pivotal Certified Professional Spring Developer Exam A Study Guide each chapter contains a brief study summary and question set and the book s free downloadable source code package includes one mock exam 50 questions like a real exam After using this study guide you will be ready to take and pass the Pivotal Certified Professional exam When you become Pivotal Certified you will have one of the most valuable credentials in Java The demand for Spring skills is skyrocketing Pivotal certification helps you advance your skills and your career and get the maximum benefit from Spring Passing the exam demonstrates your understanding of Spring and validates your familiarity with container basics aspect oriented programming AOP data access and transactions Spring Security Spring Boot microservices and the Spring model view controller MVC Good luck What You ll Learn Understand the core principles of the popular Spring Framework Use dependency injection Work with aspects in Spring and do AOP aspect oriented programming Control transactional behavior and work with SQL and NoSQL MongoDB databases Create and secure web applications based on Spring MVC Get to know the format of exam and type of questions in

it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam **Instant MongoDB** Amol Nayak,2013-01-01 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 **MongoDB** Ajit Singh,Sultan Ahmad ,2019-10-16 This book is a comprehensive guide to MongoDB for application developers The book begins by explaining what makes MongoDB unique and describing its ideal use cases A series of chapters designed for MongoDB mastery then leads into detailed examples for leveraging MongoDB in e commerce social networking analytics and other common applications Numerous examples will help you develop confidence in the crucial area of data modeling You ll also love the deep explanations of each feature including replication auto sharding and deployment This is well organized book which provides both the proper explanation youll need as a student developer and enough detail to satisfy a developer Several examples will help you develop confidence in the crucial area of data modeling Youll also love the deep explanations of each feature including replication auto sharding and deployment The first chapters cover a lot of theory but later you dive into practical hands on experience setting up and configuring MongoDB from scratch This is crucial if you want to truly understand the database environment This book really does cover just the MongoDB simply in depth so it also wont take you very far Throughout each chapter youll learn tons of new techniques for using MongoDB objects and the basic CRUD techniques for DB connections Later chapters even offer source code from multiple languages like Java Python and PHP This lets you see how applications can scale using Mongo regardless of the backend language You can learn sharding and replication for scaling databases This book is very compact with less than 100 pages But its also incredibly detailed and wastes no time diving right into the action and ease of use What s inside NoSQL Architecture of MongoDB Standard DB operations Indexes queries Map reduce for custom aggregations and reporting Java Python and PHP Connectivity Schema design patterns Deploying for scale and high availability [Pro MongoDB Development](#) Deepak Vohra,2015-12-30 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.

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## **Mongodb Developer Certification Introduction**

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