
Pdf Spring Boot Cookbook

Java 11 Cookbook

Get Your Hands Dirty on Clean Architecture

Spring Recipes

Spring Data

Spring Boot Cookbook

Car Stereo Cookbook

Spring Boot 2.0 Cookbook

Kafka: The Definitive Guide

Core Java SE 9 for the Impatient

Spring MVC: A Tutorial (Second Edition)

Spring Boot in Action

Raspberry Pi Cookbook

OAuth 2.0 Cookbook

Software Architecture with Spring 5.0

Building a RESTful Web Service with Spring

Spring Boot 3.0 Cookbook

Learning Spring Boot 2.0

Pro Spring Boot 2

Cloud-Native Applications in Java

Java Deep Learning Cookbook

Spring Cookbook

Spring Boot Persistence Best Practices

Kotlin Programming Cookbook

Spring Boot 2 Recipes

Spring REST

Spring 5.0 By Example

Spring Integration in Action

Book of Vaadin
Developing Java Applications with Spring and Spring Boot
The First Mess Cookbook
Spring 5 Recipes
Spring Boot 2.0 Projects
Building Applications with Spring 5 and Vue.js 2
Spring Microservices
Learn Microservices with Spring Boot
The Sopranos Family Cookbook
Building RESTful Web Services with Spring 5
Spring 5.0 Cookbook
Practical Guide to Building an API Back End with Spring Boot

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Boot
Cookbook*

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WEBB RICHARDSON

Java 11 Cookbook
Packt Publishing Ltd
Solutions for modular,
functional, reactive,
GUI, network, and
multithreaded
programming Key
FeaturesExplore the
latest features of Java
11 to implement
efficient and reliable

codeDevelop memory-
efficient applications,
understanding new
garbage collection in
Java 11Create restful
webservices and
microservices with
Spring boot 2 and
DockerBook
Description For more
than three decades,
Java has been on the
forefront of developing
robust software that
has helped versatile
businesses meet their
requirements. Being

one of the most widely used programming languages in history, it's imperative for Java developers to discover effective ways of using it in order to take full advantage of the power of the latest Java features. Java 11 Cookbook offers a range of software development solutions with simple and straightforward Java 11 code examples to help you build a modern software system. Starting with the installation of Java, each recipe addresses various problem by explaining the solution and offering insights into how it works. You'll explore the new features added to Java 11 that will make your application modular, secure, and fast. The book contains recipes on functional

programming, GUI programming, concurrent programming, and database programming in Java. You'll also be taken through the new features introduced in JDK 18.3 and 18.9. By the end of this book, you'll be equipped with the skills required to write robust, scalable, and optimal Java code effectively. What you will learn

- Set up JDK and understand what's new in the JDK 11 installation
- Implement object-oriented designs using classes and interfaces
- Manage operating system processes
- Create a modular application with clear dependencies
- Build graphical user interfaces using JavaFX
- Use the new HTTP Client API
- Explore the new diagnostic

features in Java
 11 Discover how to use
 the new JShell REPL
 tool Who this book is for
 The book is for
 intermediate-to-
 advanced Java
 programmers who
 want to make their
 applications fast,
 secure, and scalable.
*Get Your Hands Dirty
 on Clean Architecture*
 Lulu.com
 A hands-on guide to
 building an enterprise-
 grade, scalable RESTful
 web service using the
 Spring Framework
 About This Book Follow
 best practices and
 explore techniques
 such as clustering and
 caching to achieve a
 scalable web service
 Leverage the Spring
 Framework to quickly
 implement RESTful
 endpoints Learn to
 implement a client
 library for a RESTful
 web service using the

Spring Framework Who
 This Book Is For This
 book is intended for
 those who want to
 learn to build RESTful
 web services with the
 Spring Framework. To
 make best use of the
 code samples included
 in the book, you should
 have a basic
 knowledge of the Java
 language. Previous
 experience with the
 Spring Framework
 would also help you
 get up and running
 quickly. What You Will
 Learn Deep dive into
 the principles behind
 REST Expose CRUD
 operations through
 RESTful endpoints with
 the Spring Framework
 Devise response
 formats and error
 handling strategies,
 offering a consistent
 and flexible structure
 to simplify integration
 for service consumers
 Follow the best

approaches for dealing with a service's evolution while maintaining backward compatibility

Understand techniques to secure web services

Comply with the best ways to test RESTful web services, including tips for load testing

Optimise and scale web services using techniques such as caching and clustering

In Detail REST is an architectural style that tackles the challenges of building scalable web services. In today's connected world, APIs have taken a central role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of Spring makes it one of the most attractive

frameworks in the Java ecosystem. Marrying the two technologies is therefore a very natural choice. This book takes you through the design of RESTful web services and leverages the Spring Framework to implement these services. Starting from the basics of the philosophy behind REST, you'll go through the steps of designing and implementing an enterprise-grade RESTful web service. Taking a practical approach, each chapter provides code samples that you can apply to your own circumstances. This book goes beyond the use of Spring and explores approaches to tackle resilience, security, and scalability concerns. You'll learn techniques to deal with

security in Spring and discover how to implement unit and integration test strategies. Finally, the book ends by walking you through building a Java client for your RESTful web service, along with some scaling techniques for it. Style and approach This book is a step-by-step, hands-on guide to designing and building RESTful web services. The book follows the natural cycle of developing these services and includes multiple code samples to help you.

Spring Recipes Packt Publishing Ltd
Discover the real power of Spring Framework 5.0 and learn to create powerful applications in its newest version
Key Features Learn reactive programming

by implementing a reactive application with Spring Webflux
Create a robust and scalable messaging application with Spring messaging support
Apply your knowledge to build three real-world projects in Spring
Book Description With growing demands, organizations are looking for systems that are robust and scalable. Therefore, the Spring Framework has become the most popular framework for Java development. It not only simplifies software development but also improves developer productivity. This book covers effective ways to develop robust applications in Java using Spring. The book has three parts, where each one covers the building of a

comprehensive project in Java and Spring. In the first part, you will construct a CMS Portal using Spring's support for building REST APIs. You will also learn to integrate these APIs with AngularJS and later develop this application in a reactive fashion using Project Reactor, Spring WebFlux, and Spring Data. In the second part, you'll understand how to build a messaging application, which will consume the Twitter API and perform filtering and transformations. Here, you will also learn about server-sent events and explore Spring's support for Kotlin, which makes application development quick and efficient. In the last part, you will build a real microservice

application using the most important techniques and patterns such as service discovery, circuit breakers, security, data streams, monitoring, and a lot more from this architectural style. By the end of the book, you will be confident about using Spring to build your applications. What you will learn
Implement REST APIs with Spring REST support
Introduce the Spring Boot and understand how it makes creating robust applications extremely simple
Understand how Spring Data helps us add persistence in MongoDB and SQL databases
Introduce Reactive Programming and use this with Spring Webflux
Implement a Reactive REST client and learn

how it can create asynchronous applications Create a robust, scalable, and fault tolerant application with Spring Messaging Implement a websocket to add interactive behaviors in your applications Introduce the Spring Cloud projects Who this book is for If you're a developer starting out with Spring, then this book will help you learn about the new Spring 5.0 framework concepts followed by their implementation in Java and Kotlin. The book will also help experienced Spring developers gain insights into the new features added in Spring 5.0.

Spring Data Packt Publishing Ltd
The world of Raspberry Pi is evolving quickly, with many new

interface boards and software libraries becoming available all the time. In this cookbook, prolific hacker and author Simon Monk provides more than 200 practical recipes for running this tiny low-cost computer with Linux, programming it with Python, and hooking up sensors, motors, and other hardware--including Arduino. Make sure to check out 10 of the over 60 video recipes for this book at: <http://razzpisampler.oreilly.com/> You can purchase all recipes at: "O'Reilly Media, Inc." Become efficient in both frontend and backend web development with Spring and Vue Key FeaturesConnect application's frontend and backend with Vue,

Vuex, and Spring BootLeverage the latest web standards to enhance code performance, readability, and cross-compatibilityBuild secure full-stack web applications with Spring SecurityBook Description Building Applications with Spring 5 and Vue.js 2, with its practical approach, helps you become a full-stack web developer. As well as knowing how to write frontend and backend code, a developer has to tackle all problems encountered in the application development life cycle – starting from the simple idea of an application, to the UI and technical designs, and all the way to implementation, testing, production

deployment, and monitoring. With the help of this book, you'll get to grips with Spring 5 and Vue.js 2 as you learn how to develop a web application. From the initial structuring to full deployment, you'll be guided at every step of developing a web application from scratch with Vue.js 2 and Spring 5. You'll learn how to create different components of your application as you progress through each chapter, followed by exploring different tools in these frameworks to expedite your development cycle. By the end of this book, you'll have gained a complete understanding of the key design patterns and best practices that underpin professional full-stack web

development. What you will learn Analyze requirements and design data models Develop a single-page application using Vue.js 2 and Spring 5 Practice concept, logical, and physical data modeling Design, implement, secure, and test RESTful API Add test cases to improve reliability of an application Monitor and deploy your application to production Who this book is for Building Applications with Spring 5.0 and Vue.js 2.0 is for you if you are developer who is new to Vue.js or Spring. It is assumed that you have some knowledge of HTML, CSS, and Java. [Spring Boot Cookbook](#) Packt Publishing Ltd Solve all your Spring Boot 2 problems using

complete and real-world code examples. When you start a new project, you'll be able to copy the code and configuration files from this book, and then modify them for your needs. This can save you a great deal of work over creating a project from scratch. Using a problem-solution approach, Spring Boot 2 Recipes quickly introduces you to Pivotal's Spring Boot 2 micro-framework, then dives into code snippets on how to apply and integrate Spring Boot 2 with the Spring MVC web framework, Spring Web Sockets, and microservices. You'll also get solutions to common problems with persistence, integrating Spring Boot with batch processing, algorithmic

programming via Spring Batch, and much more. Other recipes cover topics such as using and integrating Boot with Spring's enterprise services, Spring Integration, testing, monitoring and more. What You'll Learn Get reusable code recipes and snippets for the Spring Boot 2 micro-framework Discover how Spring Boot 2 integrates with other Spring APIs, tools, and frameworks Access Spring MVC and the new Spring Web Sockets for simpler web development Work with microservices for web services development and integration with your Spring Boot applications Add persistence and a data tier seamlessly to make your Spring Boot

web application do more Integrate enterprise services to create a more complex Java application using Spring Boot Who This Book Is For Experienced Java and Spring programmers. Car Stereo Cookbook Packt Publishing Ltd Find out how to implement the REST architecture to build resilient software in Java with the help of the Spring 5.0 framework. Key Features Follow best practices and explore techniques such as clustering and caching to achieve a reactive, scalable web service. Leverage the Spring Framework to quickly implement RESTful endpoints. Learn to implement a client library for a RESTful web service using the Spring Framework

along with the new front end framework. Book Description REST is an architectural style that tackles the challenges of building scalable web services. In today's connected world, APIs have taken a central role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of Spring makes it one of the most attractive frameworks in the Java ecosystem. Marrying the two technologies is therefore a very natural choice. This book takes you through the design of RESTful web services and leverages the Spring Framework to implement these services. Starting from

the basics of the philosophy behind REST, you'll go through the steps of designing and implementing an enterprise-grade RESTful web service. Taking a practical approach, each chapter provides code samples that you can apply to your own circumstances. This second edition brings forth the power of the latest Spring 5.0 release, working with MVC built-in as well as the front end framework. It then goes beyond the use of Spring to explore approaches to tackle resilience, security, and scalability concerns. Improve performance of your applications with the new HTTP 2.0 standards. You'll learn techniques to deal with security in Spring and

discover how to implement unit and integration test strategies. Finally, the book ends by walking you through building a Java client for your RESTful web service, along with some scaling techniques using the new Spring Reactive libraries.

What you will learn

- Deep dive into the principles behind REST
- Expose CRUD operations through RESTful endpoints with the Spring Framework
- Devise response formats and error handling strategies, offering a consistent and flexible structure to simplify integration for service consumers
- Follow the best approaches for dealing with a service's evolution while maintaining backward compatibility

Understand techniques to secure web services

Comply with the best ways to test RESTful web services, including tips for load testing

Optimise and scale web services using techniques such as caching and clustering

Who this book is for

This book is intended for those who want to learn to build RESTful web services with the latest Spring 5.0 Framework. To make best use of the code samples included in the book, you should have a basic knowledge of the Java language. Previous experience with the Spring Framework would also help you get up and running quickly.

Spring Boot 2.0 Cookbook Apress

Over 100 hands-on recipes to build web

applications easily and efficiently IN Spring 5.0 About This Book Solve real-world problems using the latest features of the Spring framework like Reactive Streams and the Functional Web Framework. Learn how to use dependency injection and aspect-oriented programming to write compartmentalized and testable code. Understand when to choose between Spring MVC and Spring Web Reactive for your projects Who This Book Is For Java developers who would like to gain in-depth knowledge of how to overcome problems that they face while developing great Spring applications. It will also cater to Spring enthusiasts, users and experts who need an

arena for comparative analysis, new ideas and inquiries on some details regarding Spring 5.0 and its previous releases. A basic knowledge of Spring development is essential What You Will Learn Understand how functional programming and concurrency in JDK 1.9 works, and how it will affect Spring 5.0 Learn the importance and application of reactive programming in creating services, and also the process of creating asynchronous MVC applications Implement different Spring Data modules Integrate Spring Security to the container Create applications and deploy using Spring Boot Conceptualize the architecture behind Microservices and learn

the details of its implementation. Create different test cases for the components of Spring 5.0 components. In Detail The Spring framework has been the go-to framework for Java developers for quite some time. It enhances modularity, provides more readable code, and enables the developer to focus on developing the application while the underlying framework takes care of transaction APIs, remote APIs, JMX APIs, and JMS APIs. The upcoming version of the Spring Framework has a lot to offer, above and beyond the platform upgrade to Java 9, and this book will show you all you need to know to overcome common to advanced problems you might face. Each

recipe will showcase some old and new issues and solutions, right from configuring Spring 5.0 container to testing its components. Most importantly, the book will highlight concurrent processes, asynchronous MVC and reactive programming using Reactor Core APIs. Aside from the core components, this book will also include integration of third-party technologies that are mostly needed in building enterprise applications. By the end of the book, the reader will not only be well versed with the essential concepts of Spring, but will also have mastered its latest features in a solution-oriented manner. Style and Approach This book follows a cookbook style approach,

presenting a problem and showing you how to overcome it with useful recipes. The examples provided will help you code along as you learn.

Kafka: The Definitive Guide Packt Publishing Ltd

The Spring framework is growing. It has always been about choice. Java EE focused on a few technologies, largely to the detriment of alternative, better solutions. When the Spring framework debuted, few would have agreed that Java EE represented the best-in-breed architectures of the day. Spring debuted to great fanfare, because it sought to simplify Java EE. Each release since marks the introduction of new features designed to

both simplify and enable solutions. With version 2.0 and later, the Spring framework started targeting multiple platforms. The framework provided services on top of existing platforms, as always, but was decoupled from the underlying platform wherever possible. Java EE is still a major reference point, but it's not the only target. OSGi (a promising technology for modular architectures) has been a big part of the SpringSource strategy here. Additionally, the Spring framework runs on Google App Engine. With the introduction of annotation-centric frameworks and XML schemas, SpringSource has built frameworks that effectively model the domain of a specific problem, in

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

[Core Java SE 9 for the Impatient](#) Packt

Publishing Ltd

Starting your first project with Spring Boot can be a bit daunting given the vast options that it provides. This book will guide you step-by-step along the way to be a Spring Boot hero in no time. The book covers:

- * Setup of your project
- * Security and user management for your application
- * Writing REST endpoints
- * Connecting with a database from your application
- * Unit and

integration testing for all aspects

- * Writing documentation for your REST endpoints
- * Support file upload from your REST API

Spring MVC: A Tutorial (Second Edition)

Apress
Tackle the complexities of modern web applications by understanding the uses of Spring Boot's cloud design patterns to build scalable and resilient applications

Key Features

- Discover practical recipes for real cloud-scale application challenges
- Explore what Spring Boot offers to make your application production ready
- Monitor applications, identify bottlenecks, and optimize performance

Purchase of the print or Kindle book includes a free PDF eBook

Description In today's dynamic landscape, crafting robust and scalable Java web applications presents formidable challenges. Spring Boot emerges as the leading framework for web and microservices development, featuring a dynamic ecosystem and seamless integrations to address a spectrum of scenarios, from scaling apps on the cloud to deploying them to production. In this book, you'll explore its streamlined, convention-over-configuration approach, simplifying application development. You'll start by covering recipes showcasing Spring Boot's features. As you progress, you'll understand how it helps streamline

application development while staying ahead of technology trends. The book helps you grasp concepts effectively, explores basic REST APIs, shows you how to escalate to advanced scenarios, and tackle common cloud application challenges like security, scalability, performance optimization, and automated deployments. Dedicated sections are designed to help you stay ahead of the curve with recipes that delve into the latest trends such as containers, observability, native images, DevOps, test automation, and microservices, ensuring your applications align with evolving industry

standards. By the end of this book, you'll be able to build and automate the deployment of a scalable and high-performing distributed solution using Spring Boot 3. What you will learn

- Develop production-grade distributed applications
- Use various data repositories, including relational and NoSQL databases
- Implement modern testing techniques across different levels of application development
- Leveraging Testcontainers to validate all integration scenarios
- Integrate with services like Redis, PostgreSQL, MongoDB, and RabbitMQ
- Authenticate through OpenID providers
- Facilitate smooth migration from

earlier Spring Boot versions

Who this book is for

This book is for Java developers who want to gain expertise in modern web development, architects designing complex systems, experienced Spring Boot developers and technology enthusiasts looking to stay up to date with the latest trends, and software engineers in need of practical solutions for everyday challenges.

Hands-on experience with Java or Kotlin is required. Prior development experience on the cloud will be useful, but not necessary.

[Spring Boot in Action](#)
Packt Publishing Ltd

Use Spring Boot to build lightning-fast apps

About This Book

Get up to date with the defining characteristics

of Spring Boot 2.0 in Spring Framework 5 Learn to perform Reactive programming with SpringBoot Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and more Who This Book Is For This book is designed for both novices and experienced Spring developers. It will teach you how to override Spring Boot's opinions and frees you from the need to define complicated configurations. What You Will Learn Create powerful, production-grade applications and services with minimal fuss Support multiple environments with one artifact, and add production-grade support with features Find out how to tweak your apps through

different properties Use custom metrics to track the number of messages published and consumed Enhance the security model of your apps Make use of reactive programming in Spring Boot Build anything from lightweight unit tests to fully running embedded web container integration tests In Detail Spring Boot provides a variety of features that address today's business needs along with today's scalable requirements. In this book, you will learn how to leverage powerful databases and Spring Boot's state-of-the-art WebFlux framework. This practical guide will help you get up and running with all the latest features of Spring Boot, especially

the new Reactor-based toolkit. The book starts off by helping you build a simple app, then shows you how to bundle and deploy it to the cloud. From here, we take you through reactive programming, showing you how to interact with controllers and templates and handle data access. Once you're done, you can start writing unit tests, slice tests, embedded container tests, and even autoconfiguration tests. We go into detail about developer tools, AMQP messaging, WebSockets, security, and deployment. You will learn how to secure your application using both routes and method-based rules. By the end of the book, you'll have built a social media platform from which to apply

the lessons you have learned to any problem. If you want a good understanding of building scalable applications using the core functionality of Spring Boot, this is the book for you. Style and approach This book takes a tutorial-based approach to teach you all you need to know to get up and running with the latest version of Spring Boot. Filled with examples, you will gain hands-on experience of every area that Spring tackles.

Raspberry Pi Cookbook
Apress

Summary A developer-focused guide to writing applications using Spring Boot. You'll learn how to bypass the tedious configuration steps so that you can concentrate on your

application's behavior. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Spring Framework simplifies enterprise Java development, but it does require lots of tedious configuration work. Spring Boot radically streamlines spinning up a Spring application. You get automatic configuration and a model with established conventions for build-time and runtime dependencies. You also get a handy command-line interface you can use to write scripts in Groovy. Developers who use Spring Boot often say that they can't imagine going back to hand configuring their applications. About the

Book Spring Boot in Action is a developer-focused guide to writing applications using Spring Boot. In it, you'll learn how to bypass configuration steps so you can focus on your application's behavior. Spring expert Craig Walls uses interesting and practical examples to teach you both how to use the default settings effectively and how to override and customize Spring Boot for your unique environment. Along the way, you'll pick up insights from Craig's years of Spring development experience. What's Inside Develop Spring apps more efficiently Minimal to no configuration Runtime metrics with the Actuator Covers Spring Boot 1.3 About the Reader Written for

readers familiar with the Spring Framework. About the Author Craig Walls is a software developer, author of the popular book *Spring in Action, Fourth Edition*, and a frequent speaker at conferences. Table of Contents

Bootstarting Spring
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Applying Grails in Spring Boot
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APPENDIXES
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OAuth 2.0 Cookbook

Apress

Build a microservices architecture with Spring Boot, by evolving an application from a small monolith to an event-driven architecture composed of several services. This book follows an incremental approach to teach microservice structure, test-driven development, Eureka, Ribbon, Zuul, and end-to-end tests with Cucumber. Author Moises Macero follows a very pragmatic approach to explain the benefits of using this type of software architecture, instead of keeping you distracted with theoretical concepts. He covers some of the state-of-the-art techniques in computer programming, from a practical point of view. You'll focus on what's

important, starting with the minimum viable product but keeping the flexibility to evolve it. What You'll Learn Build microservices with Spring Boot Use event-driven architecture and messaging with RabbitMQ Create RESTful services with Spring Master service discovery with Eureka and load balancing with Ribbon Route requests with Zuul as your API gateway Write end-to-end rests for an event-driven architecture using Cucumber Carry out continuous integration and deployment Who This Book Is For Those with at least some prior experience with Java programming. Some prior exposure to Spring Boot recommended but not required.

Software Architecture with Spring 5.0 Packt Publishing Ltd Nuovo Vesuvio. The "family" restaurant, redefined. Home to the finest in Napolitan' cuisine and Essex County's best kept secret. Now Artie Bucco, la cucina's master chef and your personal host, invites you to a special feast...with a little help from his friends. From arancini to zabaglione, from baccala to Quail Sinatra-style, Artie Bucco and his guests, the Sopranos and their associates, offer food lovers one hundred Avellinese-style recipes and valuable preparation tips. But that's not all! Artie also brings you a cornucopia of precious Sopranos artifacts that includes photos from the old country; the

first Bucco's Vesuvio's menu from 1926; AJ's school essay on "Why I Like Food"; Bobby Bacala's style tips for big eaters, and much, much more. So share the big table with: Tony Soprano, waste management executive "Most people soak a bagful of discount briquettes with lighter fluid and cook a pork chop until it's shoe leather and think they're Wolfgang Puck." Enjoy his tender Grilled Sausages sizzling with fennel or cheese. Warning: Piercing the skin is a fire hazard. Corrado "Junior" Soprano, Tony's uncle "Mama always cooked. No one died of too much cholesterol or some such crap." Savor his Pasta Fazool, a toothsome marriage of cannellini beans and

ditalini pasta, or Giambott', a grand-operatic vegetable medley. Carmela Soprano, Tony's wife "If someone were sick, my inclination would be to send over a pastina and ricotta. It's healing food." Try her Baked Ziti, sinfully enriched with three cheeses, and her earthy 'Shcarole with Garlic. Peter Paul "Paulie Walnuts" Gualtieri, associate of Tony Soprano "I have heard that Eskimos have fifty words for snow. We have five hundred words for food." Sink your teeth into his Eggs in Purgatory-eight eggs, bubbling tomato sauce, and an experience that's pure heaven. As Artie says, "Enjoy, with a thousand meals and a thousand laughs. Buon' appetito!"

Building a RESTful Web Service with Spring
 Packt Publishing Ltd
 Use Java and
 Deeplearning4j to build
 robust, scalable, and
 highly accurate AI
 models from scratch
 Key Features
 Install and
 configure
 Deeplearning4j to
 implement deep
 learning models from
 scratch
 Explore recipes
 for developing,
 training, and fine-
 tuning your neural
 network models in
 Java
 Model neural
 networks using
 datasets containing
 images, text, and time-
 series data
 Book
 Description
 Java is one
 of the most widely
 used programming
 languages in the world.
 With this book, you will
 see how to perform
 deep learning using
 Deeplearning4j (DL4J) -
 the most popular Java

library for training
 neural networks
 efficiently. This book
 starts by showing you
 how to install and
 configure Java and
 DL4J on your system.
 You will then gain
 insights into deep
 learning basics and use
 your knowledge to
 create a deep neural
 network for binary
 classification from
 scratch. As you
 progress, you will
 discover how to build a
 convolutional neural
 network (CNN) in DL4J,
 and understand how to
 construct numeric
 vectors from text. This
 deep learning book will
 also guide you through
 performing anomaly
 detection on
 unsupervised data and
 help you set up neural
 networks in distributed
 systems effectively. In
 addition to this, you
 will learn how to import

models from Keras and change the configuration in a pre-trained DL4J model. Finally, you will explore benchmarking in DL4J and optimize neural networks for optimal results. By the end of this book, you will have a clear understanding of how you can use DL4J to build robust deep learning applications in Java. What you will learn

Perform data normalization and wrangling using DL4J

Build deep neural networks using DL4J

Implement CNNs to solve image classification problems

Train autoencoders to solve anomaly detection problems using DL4J

Perform benchmarking and optimization to improve your model's

performance

Implement reinforcement learning for real-world use cases using RL4J

Leverage the capabilities of DL4J in distributed systems

Who this book is for

If you are a data scientist, machine learning developer, or a deep learning enthusiast who wants to implement deep learning models in Java, this book is for you.

Basic understanding of Java programming as well as some experience with machine learning and neural networks is required to get the most out of this book.

Spring Boot 3.0 Cookbook

Brainy Software Inc

Spring Boot Cookbook

Packt Publishing Ltd

Learning Spring Boot 2.0

"O'Reilly Media,

Inc."

Spring REST is a practical guide for designing and developing RESTful APIs using the Spring Framework. This book walks you through the process of designing and building a REST application while taking a deep dive into design principles and best practices for versioning, security, documentation, error handling, paging, and sorting. This book provides a brief introduction to REST, HTTP, and web infrastructure. You will learn about several Spring projects such as Spring Boot, Spring MVC, Spring Data JPA, and Spring Security and the role they play in simplifying REST application development. You will learn how to build

clients that consume REST services. Finally, you will learn how to use the Spring MVC test framework to unit test and integration test your REST API. After reading this book, you will come away with all the skills to build sophisticated REST applications using Spring technologies.

Pro Spring Boot 2

Addison-Wesley
Professional

An Accessible Guide to the Java Language and Libraries Modern Java introduces major enhancements that impact the core Java technologies and APIs at the heart of the Java platform. Many old Java idioms are no longer needed and new features such as modularization make you far more effective. However, navigating

these changes can be challenging. Core Java® SE 9 for the Impatient, Second Edition, is a complete yet concise guide that includes all the latest changes up to Java SE 9. Written by Cay S. Horstmann—author of the classic two-volume Core Java—this indispensable tutorial offers a faster, easier pathway for learning modern Java. Given Java SE 9's size and the scope of its enhancements, there's plenty to cover, but it's presented in small chunks organized for quick access and easy understanding. Horstmann's practical insights and sample code help you quickly take advantage of all that's new, from Java SE 9's long-awaited "Project Jigsaw" module system to the

improvements first introduced in Java SE 8, including lambda expressions and streams. Use modules to simplify the development of well-performing complex systems Migrate applications to work with the modularized Java API and third-party modules Test code as you create it with the new JShell Read-Eval-Print Loop (REPL) Use lambda expressions to express actions more concisely Streamline and optimize data management with today's Streams API Leverage modern concurrent programming based on cooperating tasks Take advantage of a multitude of API improvements for working with collections, input/output, regular

expressions, and processes Whether you're just getting started with modern Java or you're an experienced developer, this guide will help you write tomorrow's most robust, efficient, and secure Java code.

Register your product at informit.com/register for convenient access to downloads, updates, and/or corrections as they become available.

Cloud-Native Applications in Java

Packt Publishing Ltd
Discover Android programming and web development by understanding the concepts of Kotlin Programming Key Features Practical solutions to your common programming problems with Kotlin 1.1 Leverage the functional power of

Kotlin to ease your Android application development Learn to use Java code in conjunction with Kotlin Book Description The Android team has announced first-class support for Kotlin 1.1. This acts as an added boost to the language and more and more developers are now looking at Kotlin for their application development. This recipe-based book will be your guide to learning the Kotlin programming language. The recipes in this book build from simple language concepts to more complex applications of the language. After the fundamentals of the language, you will learn how to apply the object-oriented programming features of Kotlin 1.1.

Programming with Lambdas will show you how to use the functional power of Kotlin. This book has recipes that will get you started with Android programming with Kotlin 1.1, providing quick solutions to common problems encountered during Android app development. You will also be taken through recipes that will teach you microservice and concurrent programming with Kotlin. Going forward, you will learn to test and secure your applications with Kotlin. Finally, this book supplies recipes that will help you migrate your Java code to Kotlin and will help ensure that it's interoperable with Java. What you will learn Understand the

basics and object-oriented concepts of Kotlin Programming Explore the full potential of collection frameworks in Kotlin Work with SQLite databases in Android, make network calls, and fetch data over a network Use Kotlin's Anko library for efficient and quick Android development Uncover some of the best features of Kotlin: Lambdas and Delegates Set up web service development environments, write servlets, and build RESTful services with Kotlin Learn how to write unit tests, integration tests, and instrumentation/acceptance tests. Who this book is for This book will appeal to Kotlin developers keen to find solutions for their common programming

problems. Java
programming

knowledge would be an
added advantage.

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