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# Pdf Spring Boot Cookbook

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Spring Microservices  
Apache Camel Developer's Cookbook  
Kotlin Standard Library Cookbook  
Spring 5 Recipes  
Pro Spring Boot 2  
Kafka: The Definitive Guide  
Alfresco 3 Cookbook  
Car Stereo Cookbook  
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Mastering Enterprise JavaBeans  
Software Architecture with Spring 5.0  
Spring MVC Cookbook  
Taming Thymeleaf  
Spring Web Services Cookbook  
Spring Boot Cookbook  
Spring Boot in Action  
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Spring Recipes  
Developing Java Applications with Spring and Spring Boot  
Spring MVC: A Tutorial (Second Edition)  
OAuth 2.0 Cookbook  
Pro Java EE Spring Patterns  
Akka Cookbook  
Spring Boot 2 Recipes  
Spring MVC: Beginner's Guide

Super Natural Every Day  
Spring Boot 2.0 Cookbook  
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Java Deep Learning Cookbook  
Pro Spring Boot  
PhpStorm Cookbook  
Java 11 Cookbook  
Pro Spring 5  
Spring Boot 2.0 Projects  
Building Applications with Spring 5 and Vue.js 2  
Practical Guide to Building an API Back End with  
Spring Boot  
Spring Boot Persistence Best Practices

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Cookbook*

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## **SCARLET JANIYAH**

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### Spring Microservices

Simon and Schuster

This is a tutorial on Spring MVC, a module in the Spring Framework for rapidly developing web applications. The MVC in Spring MVC stands for Model-View-Controller, a design pattern widely used in

Graphical User Interface (GUI) development. This pattern is not only common in web development, but is also used in desktop technology like Java Swing. Sometimes called Spring Web MVC, Spring MVC is one of the most popular web frameworks today and a most sought-after skill. This book is for anyone wishing to

learn to develop Java-based web applications with Spring MVC.

Sample applications come as Spring Tool Suite and Eclipse projects.

*Apache Camel Developer's Cookbook*  
Apress

Every enterprise application creates data, whether it's log messages, metrics, user activity, outgoing messages, or something else. And how to move all of this data becomes nearly as important as the data itself. If you're an application architect, developer, or production engineer new to Apache Kafka, this practical guide shows you how to use this open source streaming platform to handle real-time data feeds. Engineers from Confluent and LinkedIn

who are responsible for developing Kafka explain how to deploy production Kafka clusters, write reliable event-driven microservices, and build scalable stream-processing applications with this platform.

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

Understand publish-subscribe messaging and how it fits in the big data ecosystem. Explore Kafka producers and consumers for writing and reading messages. Understand Kafka patterns and use-case requirements to ensure reliable data delivery

Get best practices for building data pipelines and applications with Kafka Manage Kafka in production, and learn to perform monitoring, tuning, and maintenance tasks

Learn the most critical metrics among Kafka's operational measurements Explore how Kafka's stream delivery capabilities make it a perfect source for stream processing systems  
[Kotlin Standard Library Cookbook](#) Packt

Publishing Ltd  
This book is a collection of developer code recipes and best practices for persisting data using Spring, particularly Spring Boot. The book is structured around practical recipes, where each recipe discusses a performance case or

performance-related case, and almost every recipe has one or more applications. Mainly, when we try to accomplish something (e.g., read some data from the database), there are several approaches to do it, and, in order to choose the best way, you have to know the implied trades-off from a performance perspective. You'll see that in the end, all these penalties slow down the application. Besides presenting the arguments that favor a certain choice, the application is written in Spring Boot style which is quite different than plain Hibernate. Persistence is an important set of techniques and technologies for accessing and using data, and this book

demonstrates that data is mobile regardless of specific applications and contexts. In Java development, persistence is a key factor in enterprise, ecommerce, cloud and other transaction-oriented applications. After reading and using this book, you'll have the fundamentals to apply these persistence solutions into your own mission-critical enterprise Java applications that you build using Spring.

What You Will Learn

- Shape \*-to-many associations for best performances
- Effectively exploit Spring Projections (DTO)
- Learn best practices for batching inserts, updates and deletes
- Effectively fetch parent and association in a single SELECT
- Learn how to inspect

Persistent Context content

Dissect pagination techniques (offset and keyset)

Handle queries, locking, schemas, Hibernate types, and more

Who This Book Is For

This book is for Any Spring and Spring Boot developer that wants to squeeze the persistence layer performances.

[Spring 5 Recipes](#) Packt Publishing Ltd

Summary

Spring Integration in Action is a hands-on guide to Spring-based messaging and integration. After addressing the core messaging patterns, such as those used in transformation and routing, the book turns to the adapters that enable integration with external systems. Readers will explore real-world enterprise integration scenarios

using JMS, Web Services, file systems, and email. They will also learn about Spring Integration's support for working with XML. The book concludes with a practical guide to advanced topics such as concurrency, performance, system-management, and monitoring. The book features a foreword by Rod Johnson, Founder of the Spring Network. About the Technology Spring Integration extends the Spring Framework to support the patterns described in Gregor Hohpe and Bobby Woolf's Enterprise Integration Patterns. Like the Spring Framework itself, it focuses on developer productivity, making it easier to build, test, and maintain enterprise integration solutions.

About the Book Spring Integration in Action is an introduction and guide to enterprise integration and messaging using the Spring Integration framework. The book starts off by reviewing core messaging patterns, such as those used in transformation and routing. It then drills down into real-world enterprise integration scenarios using JMS, Web Services, filesystems, email, and more. You'll find an emphasis on testing, along with practical coverage of topics like concurrency, scheduling, system management, and monitoring. This book is accessible to developers who know Java. Experience with Spring and EIP is helpful but not assumed. Purchase of

the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Realistic examples Expert advice from Spring Integration creators Detailed coverage of Spring Integration 2 features About the Authors Mark Fisher is the Spring Integration founder and project lead. Jonas Partner, Marius Bogoevici, and Iwein Fuld have all been project committers and are recognized experts on Spring and Spring Integration. Table of Contents PART 1 BACKGROUND Introduction to Spring Integration Enterprise integration fundamentals 24 PART 2 MESSAGING Messages and

channels Message Endpoints Getting down to business Go beyond sequential processing: routing and filtering Splitting and aggregating messages PART 3 INTEGRATING SYSTEMS Handling messages with XML payloads Spring Integration and the Java Message Service Email-based integration Filesystem integration Spring Integration and web services Chatting and tweeting PART 4 ADVANCED TOPICS Monitoring and management Managing scheduling and concurrency Batch applications and enterprise integration Scaling messaging applications with OSGi Testing *Pro Spring Boot 2* 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

[Kafka: The Definitive Guide](#) Packt Publishing Ltd

If you are a competent PHP developer who knows the basics of PHPStorm and intends to gain better knowledge of

PHPStorm by learning and implementing pro-level practices, techniques, and solutions, then this book is for you. It is assumed that you already have a working installation of the software setup.

### **Alfresco 3 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** Brainy Software Inc The first edition of this book was written six years ago. Since then, there have been some significant developments in the area of car audio (and

video). In addition, many of the products featured in the first edition are now obsolete. While the first edition of the book continues to sell, we have seen a bit of a slow-down at major accounts. This edition promises to be even more successful than the last. *Car Stereo Cookbook, 2e* is a completely revamped edition of a hugely successful title that continues to sell. This revised book will include new information on mobile video, satellite radio, mp3, wma, digital broadcast radio, and will eliminate the out-of-date products that are no longer pertinent.

*Spring Data* Packt Publishing Ltd  
Solutions for modular, functional, reactive,

GUI, network, and multithreaded programming  
Key Features  
Explore the latest features of Java 11 to implement efficient and reliable code  
Develop memory-efficient applications, understanding new garbage collection in Java 11  
Create restful webservices and microservices with Spring boot 2 and Docker  
Book 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.

Mastering Enterprise JavaBeans Packt

Publishing Ltd

Take your application development skills to the next level by implementing Spring Boot features effectively Key

Features This collection of effective recipes serves as guidelines for Spring Boot application development Get up to date with features of the latest version of Spring Boot 2.0 Tips and tricks to improve your efficiency through the stages of software development Book

Description The Spring framework provides great flexibility for Java development, which also results in tedious configuration work. Spring Boot addresses the configuration

difficulties of Spring and makes it easy to create standalone, production-grade Spring-based applications. This practical guide makes the existing development process more efficient. Spring Boot Cookbook 2.0 Second Edition smartly combines all the skills and expertise to efficiently develop, test, deploy, and monitor applications using Spring Boot on premise and in the cloud. We start with an overview of the important Spring Boot features you will learn to create a web application for a RESTful service. Learn to fine-tune the behavior of a web application by learning about custom routes and asset paths and how to modify routing

patterns. Address the requirements of a complex enterprise application and cover the creation of custom Spring Boot starters. This book also includes examples of the new and improved facilities available to create various kinds of tests introduced in Spring Boot 1.4 and 2.0, and gain insights into Spring Boot DevTools. Explore the basics of Spring Boot Cloud modules and various Cloud starters to make applications in “Cloud Native” and take advantage of Service Discovery and Circuit Breakers. What you will learn Get to know Spring Boot Starters and create custom auto-configurations Work with custom annotations that enable bean activation Use DevTools to easily

develop and debug applications Learn the effective testing techniques by integrating Cucumber and Spock Observe an eternal application configuration using Consul Move your existing Spring Boot applications to the cloud Use Hashicorp Consul and Netflix Eureka for dynamic Service Discovery Understand the various mechanisms that Spring Boot provides to examine an application’s health Who this book is for This book is for Java Developers who have good knowledge and understanding of Spring and Java application development. [Software Architecture with Spring 5.0](#) Packt Publishing Ltd Spring Boot in Practice

is full of practical recipes for common development problems in Spring Boot. Author Somnath Musib has spent years building applications with Spring, and he shares that extensive experience in this focused guide. You'll master techniques for using Spring Data, Spring Security, and other Spring-centric solutions. Learn how to work with Spring Boot and Kotlin, handling connections for multiple platforms, and how Spring Boot can simplify building microservices and APIs. Each recipe is built around a real-world problem, complete with a full solution and thoughtful discussion.

### **Spring MVC**

#### **Cookbook** Apress

Taming Thymeleaf will teach you about

writing web applications with Spring Boot and Thymeleaf in no-time. This book teaches you step-by-step how to get started with those technologies and build a fully fledged web application including security, validation, internationalization, testing and more. Thymeleaf is an amazing technology for building server-side HTML using the Java eco-system. Combined with Spring Boot, it is really a killer combo for a productive development environment. Learn how to structure your code so your application can evolve for years to come. As HTML will always be there, you can do this without having to re-write your frontend every six months for

the latest JavaScript framework.

### **Taming Thymeleaf**

McGraw Hill

Professional

Develop diverse real-life projects including most aspects of Spring Boot Key Features Run production-grade based applications using the Spring WebFlux framework Learn to develop high performance, asynchronous applications with Spring Boot Create robust microservice-based applications with Kotlin using Spring Boot Book Description Spring is one of the best tools available on the market for developing web, enterprise, and cloud-ready software. The goal of Spring Boot is to provide a set of tools for quickly building Spring

applications that are easy to configure, and that make it easy to create and run production-grade Spring-based applications. Spring Boot 2.0 Projects will get you acquainted with important features of the latest version of this application-building tool and will cover basic, as well as advanced topics. The book starts off by teaching you how to create a web application using Spring Boot, followed by creating a Spring Boot-based simple blog management system that uses Elasticsearch as the data store. As you make your way through the chapters, you'll build a RESTful web services application using Kotlin and the Spring WebFlux framework.

Spring WebFlux is a new framework that helps in creating a reactive application in a functional way. Toward the end of the book, you will build a taxi-hailing API with reactive microservices using Spring Boot and a Twitter clone with a Spring Boot backend. Finally, you'll learn how to build an asynchronous email formatter. What you will learn

Learn the fundamental features of Spring Boot 2.0  
 Customize Spring Boot 2.0 applications  
 Build a basic web application  
 Use Redis to build a taxi-hailing API  
 Create a simple blog management system and a Twitter clone  
 Develop a reactive RESTful web service with Kotlin using Spring Boot

Who this book is for  
 This book is for

competent Spring developers who wish to understand how to develop complex yet scalable applications with Spring Boot. You must have a good knowledge of Java programming and be familiar with the basics of Spring.

Spring Web Services Cookbook Packt Publishing Ltd

This book is written in a Cookbook style with short recipes showing developers how to effectively implement EIP without breaking everything in the process. It is concise and to the point, and it helps developers get their data flowing between different components without the need to read through page upon page of theory, while also enabling the reader to learn how to



create exciting new projects. Camel Enterprise Integration Cookbook is intended for developers who have some familiarity with Apache Camel and who want a quick lookup reference to practical, proven tips on how to perform common tasks. Every recipe also includes a summary and reference pointers for more details that make it easy for you to get a deeper understanding of the Apache Camel capabilities that you will use day to day.

**Spring Boot Cookbook** Packt Publishing Ltd  
Quickly and productively develop complex Spring applications and microservices out of the box, with minimal concern over things like configurations.

This revised book will show you how to fully leverage the Spring Boot 2 technology and how to apply it to create enterprise ready applications that just work. It will also cover what's been added to the new Spring Boot 2 release, including Spring Framework 5 features like WebFlux, Security, Actuator and the new way to expose Metrics through Micrometer framework, and more. This book is your authoritative hands-on practical guide for increasing your enterprise Java and cloud application productivity while decreasing development time. It's a no nonsense guide with case studies of increasing complexity throughout the book. The author, a senior solutions architect and

Principal Technical instructor with Pivotal, the company behind the Spring Framework, shares his experience, insights and first-hand knowledge about how Spring Boot technology works and best practices. Pro Spring Boot 2 is an essential book for your Spring learning and reference library. What You Will Learn Configure and use Spring Boot Use non-functional requirements with Spring Boot Actuator Carry out web development with Spring Boot Persistence with JDBC, JPA and NoSQL Databases Messaging with JMS, RabbitMQ and WebSockets Test and deploy with Spring Boot A quick look at the Spring Cloud projects Microservices and deployment to the

Cloud Extend Spring Boot by creating your own Spring Boot Starter and @Enable feature Who This Book Is For Experienced Spring and Java developers seeking increased productivity gains and decreased complexity and development time in their applications and software services.

### **Spring Boot in**

**Action** Packt Publishing Ltd

An end-to-end software development guide for the Java eco-system using the most advanced frameworks: Spring and Spring Boot. Learn the complete workflow by building projects and solving problems. About This Book Learn reactive programming by implementing a reactive application with Spring

WebFluxCreate a robust and scalable messaging application with Spring messaging supportGet up-to-date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and moreThis collection of effective recipes serves as guidelines for Spring Boot application developmentWho This Book Is For Java developers wanting to build production-grade applications using the newest popular Spring tools for a rich end-to-end application development experience. What You Will LearnGet to know the Spring Boot and understand how it

makes creating robust applications extremely simpleUnderstand how Spring Data helps us add persistence in MongoDB and SQL databasesImplement a websocket to add interactive behaviors in your applicationsCreate powerful, production-grade applications and services with minimal fussUse custom metrics to track the number of messages published and consumedBuild anything from lightweight unit tests to fully running embedded web container integration testsLearn effective testing techniques by integrating Cucumber and SpockUse Hashicorp Consul and Netflix Eureka for dynamic Service DiscoveryIn Detail

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 course is up made of three modules, each one having a take-away relating to building end-to-end java applications. The first module takes the approach of learning Spring frameworks by building applications. You will learn to build APIs and integrate them with popular fraemworks suh as AngularJS, Spring WebFlux, and Spring Data. You will also learn to build microservices using

Spring's support for Kotlin. You will learn about the Reactive paradigm in the Spring architecture using Project Reactor. In the second module, after getting hands-on with Spring, you will learn about the most popular tool in the Spring ecosystem-Spring Boot. You will learn to build applications with Spring Boot, bundle them, and deploy them on the cloud. After learning to build applications with Spring Boot, you will be able to use various tests that are an important part of application development. We also cover the important developer tools such as AMQP messaging, websockets, security, and more. This will give you a good functional

understanding of scalable development in the Spring ecosystem with Spring Boot. In the third and final module, you will tackle the most important challenges in Java application development with Spring Boot using practical recipes. Including recipes for testing, deployment, monitoring, and securing your applications. This module will also address the functional and technical requirements for building enterprise applications. By the end of the course you will be comfortable with using Spring and Spring Boot to develop Java applications and will have mastered the intricacies of production-grade applications. Style and

approach A simple step-by-step guide with practical examples to help you develop and deploy Spring and Spring Boot applications in the real-world.

### **Spring 5.0 Cookbook**

Packt Publishing Ltd  
Build optimized applications in Kotlin by learning how to make use of the standard library features the smart way  
Key Features Get the most out of the Kotlin library to develop high-quality portable applications Explore the powerful support for data processing and I/O operations Discover ways to enhance your Android application development  
Book Description Given the verbosity of Java, developers have turned to Kotlin for effective software

development. The Kotlin standard library provides vital tools that make day-to-day Kotlin programming easier. This library features the core attributes of the language, such as algorithmic problems, design patterns, data processing, and working with files and data streams. The recipes in this book offer coding solutions that can be readily executed. The book covers various topics related to data processing, I/O operations, and collections transformation. We'll walk through effective design patterns in Kotlin and you'll understand how coroutines add new features to JavaScript. As you make your way through the chapters, you'll learn how to

implement clean, reusable functions and scalable interfaces containing default implementations. In the concluding chapters, we'll provide recipes on functional programming concepts, such as lambdas, monads, functors, and Kotlin scoping functions. By the end of the book, you'll be able to address a range of problems that Kotlin developers face by implementing easy-to-follow solutions. What you will learn Work with ranges, progressions, and sequences in use cases Add new functionalities to current classes with Kotlin extensions Understand elements such as lambdas, closures, and monads Build a REST API consumer with Retrofit

and a coroutine adapter Discover useful tips and solutions for making your Android projects Explore the benefits of standard library features Who this book is for This book is for software developers who are familiar with Kotlin's basics and want to discover more advanced features and concepts, especially those provided by the Kotlin standard library. It's also ideal for experienced software developers who are familiar with the functional programming paradigm and other programming languages who want to switch to Kotlin. It will also help Java developers switch to Kotlin and integrate it into existing Java Virtual Machine (JVM)

projects.

### **Kotlin Programming Cookbook** Packt Pub

Limited

Quickly and

productively develop

complex Spring

applications and

microservices - out of

the box - with minimal

fuss on things like

configurations. This

book will show you how

to fully leverage the

Spring Boot

productivity suite of

tools and how to apply

them through the use

of case studies. Pro

Spring Boot is your

authoritative hands-on

practical guide for

increasing your Spring

Framework-based

enterprise Java and

cloud application

productivity while

decreasing

development time

using the Spring Boot

productivity suite of

tools. It's a no

nonsense guide with case studies of increasing complexity throughout the book. This book is written by Felipe Gutierrez, a Spring expert consultant who works with Pivotal, the company behind the popular Spring Framework. What You Will Learn Write your first Spring Boot application Configure Spring Boot Use the Spring Boot Actuator Carry out web development with Spring Boot Build microservices with Spring Boot Handle databases and messaging with Spring Boot Test and deploy with Spring Boot Extend Spring Boot and its available plug-ins Who This Book Is For Experienced Spring and Java developers seeking increased

productivity gains and decreased complexity and development time in their applications and software services. *Spring Recipes* Simon and Schuster 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.

Developing Java Applications with Spring and Spring Boot  
 Ten Speed Press  
 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 JavaModel neural networks using datasets containing images, text, and time-series dataBook 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.

<p>What you will learn</p> <p>Perform data normalization and wrangling using DL4J</p> <p>Build deep neural networks using DL4J</p> <p>Implement CNNs to solve image classification problems</p> <p>Train autoencoders to solve anomaly detection problems using DL4J</p> <p>Perform benchmarking and optimization to improve your model's performance</p> <p>Implement reinforcement learning for real-world use</p>	<p>cases using RL4J</p> <p>Leverage the capabilities of DL4J in distributed systems</p> <p>Who this book is for</p> <p>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.</p> <p>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.</p>
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Best Sellers - Books :

- [The Seven Husbands Of Evelyn Hugo: A Novel](#)
- [The Housemaid By Freida Mcfadden](#)
- [Spare By Prince Harry The Duke Of Sussex](#)
- [The Wonderful Things You Will Be](#)
- [A Court Of Thorns And Roses Paperback Box Set \(5 Books\)](#)
- [Beyond The Story: 10-year Record Of Bts](#)
- [Goodnight Moon](#)
- [The Very Hungry Caterpillar](#)

- [Rich Dad Poor Dad: What The Rich Teach Their Kids About Money That The Poor And Middle Class Do Not!](#)
- [A Court Of Frost And Starlight \(a Court Of Thorns And Roses, 4\) By Sarah J. Maas](#)