

Spring Boot How To Get Started And Build A Microservice

Hands-on Application Development using Spring Boot
 Beginning Spring Boot 2
 Spring: Microservices with Spring Boot
 Spring Boot Cookbook
 Designing Applications with Spring Boot 2.2 and React JS
 Getting Started with Spring Framework
 Spring Boot 2.0 Cookbook
 Developing Java Applications with Spring and Spring Boot
 Spring Boot 2.0 Cookbook - Second Edition
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Hands-on Application Development using Spring Boot

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Get introduced to full stack enterprise development. Whether you are new to AngularJS and Spring RESTful web services, or you are a seasoned expert, you will be able to build a full-featured web application from scratch using AngularJS and Spring RESTful web services. Full stack web development is in demand because you can explore the best of different tools and frameworks and yet make your apps solid and reliable in design, scalability, robustness, and security. This book assists you in creating your own full stack development environment that includes the powerful and revamped AngularJS, and Spring REST. The architecture of modern applications is covered to prevent the development of isolated desktop and mobile applications. By the time you reach the end of this book you will have built a full-featured dynamic app. You will start your journey by setting up a Spring Boot development environment and creating your RESTful services to perform CRUD operations. Then you will migrate the front-end tools—AngularJS and Bootstrap—into your Spring Boot application to consume RESTful services. You will secure your REST API using Spring Security and consume your secured REST API using AngularJS. What You'll Learn Build a REST application with Spring Boot Expose CRUD operations using RESTful endpoints Create a single page application by integrating Angular JS and Bootstrap in Spring Boot Secure REST APIs using Spring Security Consume secured RESTful Services using Angular JS Build a REST client using a REST template to consume RESTful services Test RESTful services using the Spring MVC Test Framework Who This Book Is For Web application developers with previous Java programming experience who want to create enterprise-grade, scalable Java apps using powerful front tools such as AngularJS and Bootstrap along with popular back-end frameworks such as Spring Boot

Beginning Spring Boot 2 Createspace Independent Publishing Platform

Create testable, maintainable, state-of-the-art Spring applications About This Video Use Spring patterns and techniques to make your Spring applications more robust and fault-tolerant Design robust APIs by leveraging the richness of the Spring ecosystem Make your applications testable and maintainable by employing production-proven techniques In Detail This course sets out to supply new possibilities. You will cover many aspects of Spring Boots: some you may know, and some you probably never knew existed. This course will boost your skills and will let you explore best practices and techniques to help you improve your

application development. In this course, you'll learn to implement practical and proven techniques and adopt a quicker way to develop applications using Spring Boot. Each section covers techniques (with clear instructions) you can use to carry out different development tasks in a practical manner. We cover how to make your apps more maintainable, testable, fault-tolerant, and resilient. By the end of this course, you will have the knowledge and confidence to harness the Spring Boot tips, best practices, and techniques covered in the course to make your coding and app development projects achieve their maximum potential performance-wise.

Spring: Microservices with Spring Boot Spring Boot Spring Boot 2.4 is what everyone turns to build top-of-the-line systems... ..when it comes to Java application development. Learn the latest features that can make your apps rock solid including: Web and Data access Developer tools and test support Operational features Docker container baking li>GraalVM production support Messaging Security More! Written cover-to-cover using Java's de facto toolkit, Spring, your apps will perform like never before. Grab your copy today and learn to build top notch, powerful solutions with modern tactics. Greg L. Turnquist works on the Spring team as a principal developer at VMware. He is a committer to Spring HATEOAS, Spring Data, Spring Boot, R2DBC, and Spring Session for MongoDB. He has written Hacking with Spring Boot 2.3: Reactive Edition as well as Packt's best-selling title, Learning Spring Boot 2.0 2nd Edition. He co-founded the Nashville Java User Group in 2010 and hasn't met a Java app (yet) that he doesn't like. Be sure to subscribe to Spring Boot Learning, the YouTube channel where you learn about Spring Boot and have fun doing it at [YouTube.com/GregTurnquist](https://www.youtube.com/GregTurnquist) **Spring Boot Cookbook** Carl Hanser Verlag GmbH Co KG Over 35 recipes to help you build, test, and run Spring applications using Spring Boot About This Book Learn to create different types of Spring Boot applications, configure behavior, and add custom components Become more efficient in testing, deploying, and monitoring Spring Boot based applications This is a practical guide that will help Spring developers to develop and deploy applications using Spring Boot Who This Book Is For If you are a Spring Developer who has good knowledge level and understanding of Spring Boot and application development and now want to learn efficient Spring Boot development techniques in order to make the existing development process more efficient, then this book is for you. What You Will Learn Create Spring Boot applications from scratch Configure and tune web applications and containers Create custom Spring Boot auto-configurations and starters Use Spring Boot Test framework with JUnit, Cucumber, and Spock Configure and tune web applications and containers Deploy Spring Boot as self-starting executables and Docker containers Monitor data using DropWizard, Graphite, and

Dashing In Detail Spring Boot is Spring's convention-over-configuration solution. This feature makes it easy to create Spring applications and services with absolute minimum fuss. Spring Boot has the great ability to be customized and enhanced, and is specifically designed to simplify development of a new Spring application. This book will provide many detailed insights about the inner workings of Spring Boot, as well as tips and recipes to integrate the third-party frameworks and components needed to build complex enterprise-scale applications. The book starts with an overview of the important and useful Spring Boot starters that are included in the framework, and teaches you to create and add custom Servlet Filters, Interceptors, Converters, Formatters, and PropertyEditors to a Spring Boot web application. Next it will cover configuring custom routing rules and patterns, adding additional static asset paths, and adding and modifying servlet container connectors and other properties such as enabling SSL. Moving on, the book will teach you how to create custom Spring Boot Starters, and explore different techniques to test Spring Boot applications. Next, the book will show you examples of configuring your build to produce Docker images and self-executing binary files for Linux/OSX environments. Finally, the book will teach you how to create custom health indicators, and access monitoring data via HTTP and JMX. Style and approach This book is a cohesive collection of recipes that provide developers with a set of connected guidelines on how to build, configure, and customize their application, starting from the design and development stages, all the way through testing, deployment, and production monitoring.

Designing Applications with Spring Boot 2.2 and React JS Packt Publishing Ltd

Spring BootCreatespace Independent Publishing Platform *Getting Started with Spring Framework* Packt Publishing Ltd Sale - Reg. Price \$19.99 From Zero Spring Experience to Building Your First Microservice with Spring Boot 2 Learn to build your first production-ready microservice with a REST API in just a few hours. All starting from having zero experience with Spring at all.Revised and extended 3rd editionUpdate: Using Spring Boot 2.1.8.RELEASE version.Our guides give you brief lessons on a single topic to get you started in no time. We leave the fluff out so you can focus and learn better and faster. Stop wasting hours of your life watching video courses or reading boring compendiums. Use our guide and save your precious time and be way ahead of your competitors on that next big project.We build a real application (less than 850 lines of code though) using a standard Maven project structure together, and I will explain you the steps and libraries involved on the go. You must know Java.You learn best by coding. The way I love learning too. And not by reading fluffy compendiums or watching 10 hours and more of videos.

Sure, you can do that, but any developer following my guide will be way ahead of you before you are even halfway through that video course. What you will build: We build a Microservice for storing comments and providing a REST Interface for interacting with the data. The sample application is modeled after a real production application to guide you through building your first Spring Boot application. What you will learn: What problem the Spring Framework actually solves The basics of the Spring Framework aka Core How to build a microservice with Spring Boot 2 How to work with a relational database using the Spring Data JPA Framework How to write the REST API using Spring MVC How to create a service layer and integrate a legacy library using its own Spring ApplicationContext in an XML file How to test the application A simple way to secure your application How to use monitoring and health check out of the box with Spring Boot How to deploy your application How to navigate in the project with Maven You must have experience with Java as we are not covering Java basics. Everything else we use is covered in the guide. If you have questions, do not hesitate to contact me using the email address at the end of the book. I'll answer your questions and improve the book with your feedback. Promised!

Spring Boot 2.0 Cookbook John Wiley & Sons
An end-to-end software development guide for the Java ecosystem 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 WebFlux Create a robust and scalable messaging application with Spring messaging support Get up-to-date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5 Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and more This collection of effective recipes serves as guidelines for Spring Boot application development Who 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 Learn Get to know 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 Implement a websocket to add interactive behaviors in your applications Create powerful, production-grade applications and services with minimal fuss Use custom metrics to track the number of messages published and consumed Build anything from lightweight unit tests to fully running embedded web container integration tests Learn effective testing techniques by integrating Cucumber and Spock Use Hashicorp Consul and Netflix Eureka for dynamic Service Discovery In 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 frameworks such 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.

Developing Java Applications with Spring and Spring Boot Createspace Independent Publishing Platform
Become efficient in both frontend and backend web development with Spring and Vue Key Features Connect application's frontend and backend with Vue, Vuex, and Spring Boot Leverage the latest web standards to enhance code performance, readability, and cross-compatibility Build secure full-stack web applications with Spring Security Book 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 2.0 Cookbook - Second Edition Createspace Independent Publishing Platform
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 Developing your first Spring Boot application Customizing configuration Testing with Spring Boot Getting Groovy with the Spring Boot CLI Applying Grails in Spring Boot Taking a peek inside with the Actuator Deploying Spring Boot applications APPENDIXES Spring Boot developer tools Spring Boot starters Configuration properties Spring Boot dependencies

Full-Stack Web Development with Spring Boot and Angular Independently Published
A pragmatic guide for Java developers to help build Microservices and Cloud Apps using Spring Boot. KEY FEATURES ● Develops microservices from start to finish using the Spring Boot Framework. ● Creates cloud-native applications using Spring Boot's production-ready features. ● Covers the API gateway, unit testing, cloud deployments, and managing high-traffic applications. DESCRIPTION Spring is an excellent framework for developing both web and cloud-native applications. This book on application development using Spring Boot simplifies the process of writing boilerplate code for complex software. It allows developers to concentrate on the application's concept rather than on the internal Java configuration. This book will guide you on how to make the best use of the strength that Spring Boot provides. You'll gain an understanding of how Spring Boot configuration works in conjunction with application development, including auto-configuration and overriding default configurations. You will learn to develop scalable, dependable microservices to accelerate the development lifecycle of a cloud-based application. Each chapter will walk you through the features of Spring Boot as a Software Development Framework, such as performing Create, Read, Update, and Delete (CRUD) operations on a database and securing web services with appropriate logging. By the end of this book, you will develop, test, and deploy applications ready for production and how to establish them as cloud-based applications. The readers will also gain the expertise of writing unit and integration test cases. WHAT YOU WILL LEARN ● Get to know Spring Boot and all its capabilities. ● Build start-to-end production-ready applications. ● Explore the API Gateway and practice how to run request routing. ● Learn API doc tools like Swagger and host your apps on Cloud. ● Practice how to balance the application's load when the system is under high traffic. ● Learn to write unit tests and integration tests for bug-free coding. WHO THIS BOOK IS FOR This book is for Java developers who want

to quickly develop, test, and deploy production-ready applications. This book will also appeal to cloud-native application developers and cloud engineers. No prior Spring Boot knowledge is required as the basics are covered in the book. TABLE OF CONTENTS 1. Getting Started with Spring Boot 2. Developing Your First Spring Boot Application 3. Spring Boot Starter Dependencies and Auto-Configuration 4. Spring Boot Annotations 5. Working with Spring Data JPA and Caching 6. Building RESTful Microservices 7. Securing a Web Application 8. Building Resilient System 9. Logging 10. Working with the Swagger API Management Tool 11. Testing a Spring Boot Application 12. Deploying a Spring Boot Application

Building Applications with Spring 5 and Vue.js 2 Packt Publishing Ltd
Let us full stack development with Spring Boot and React JS. DESCRIPTION Designing Application with Spring Boot 2 & React JS is divided into three parts. The first part introduces you to the essentials of the Spring Boot 2.2 Framework and you will learn how to create REST APIs and how to secure REST APIs. Part 2 steps behind the front end application development with React JS and discuss React features and its advantages toward the front end application development. Part 3 expands on that by showing how to deploy backend and frontend application the PaaS platform and also will discuss how to deploy application container technologies such as Docker. KEY FEATURES _ _ _ _ This book has a very specific goal to make developing REST applications easier and focusing on common challenges of the design of the application with best practices. _ _ _ _ This book is providing practical code examples from real-world experiences. _ _ _ _ This book is not only about Spring Boot 2.2 and React JS overview but also has an in-depth discussion about adopted REST Architectural pattern and its constraints to create the REST APIs. _ _ _ _ The book can act as a tool for learning Spring Boot 2.2 and React JS for the first time as well as a guide and reference for those wanting to dig deeper into specific features. _ _ _ _ This book is also providing deeper information about the Spring Security and JWT token-based authentication for your REST applications. _ _ _ _ This does not only provide information about to design an application using Spring Boot and React JS but also providing how to deploy your application to the cloud platform (PaaS). _ _ _ _ Containerization using Docker is another key feature of this book, how to create a Docker image and how to run it. WHAT WILL YOU LEARN _ _ _ _ Exploring Spring Boot 2.2 new features and essential key components such as Starters, Autoconfiguration, CLI, Actuator. _ _ _ _ Develop a REST application using Spring Boot 2.2 and DevTools. _ _ _ _ Exploring Spring Boot Auto Configuration and Customization. _ _ _ _ Creating application profiles based on the environments. _ _ _ _ Learn to configure backend data using JDBC and Spring Data JPA. _ _ _ _ Learn to configure a DataSource for H2 DB, and also for Maria DB. _ _ _ _ Learn best practices for designing a REST architecture based application. _ _ _ _ Creating a REST application using HATEOAS. _ _ _ _ Consuming REST APIs endpoints with RestTemplate, Traverson, and WebClient. _ _ _ _ Exploring JWT web token for the RESTful APIs and explores how to secure REST APIs using OAuth2 and Spring security. _ _ _ _ Creating TESTING module of the Spring Boot application and Unit & Integration testing. _ _ _ _ Discuss React JS and its components and also discuss React KS features and its advantages and disadvantage. _ _ _ _ Exploring how to create ReactJS components and how to manage ReactJS component lifecycle. _ _ _ _ Taking a quick overview of consuming the REST API using the React application. _ _ _ _ Deploying the application to the Cloud platform (PaaS). _ _ _ _ Containerization and Deploy using Docker containers WHO THIS BOOK IS FOR Designing Application with Spring Boot 2.2 & React JS is for all Java developers who want to learn Spring Boot 2.2 and React JS as in the enterprise application. Therefore, enterprise Java developers will find it particularly useful in the understanding of Spring Boot 2.2 and React JS and how to develop a backend RESTful application using the Spring Boot 2.2 and frontend application using React JS framework. They will most fully appreciate the examples presented in this book. Before reading this book, readers should have basic knowledge of core java, spring, servlet, filter, XML, and JavaScript. É TABLE OF CONTENTS Getting Started with Spring Boot 2.2É Customizing Auto-ConfigurationÉ Configuring Data and CRUD operationsÉ Creating REST APIs with Spring Boot 2.2É Securing REST APIsÉ Testing Spring Boot ApplicationÉ Getting Started with React Creating and Styling React Components Consuming the REST API with React JS ÉDeploying and Containerizing Application

Spring Boot Createspace Independent Publishing Platform - Erstellen reaktiver Anwendungen - Spring MVC für Webanwendungen und RESTful Web Services - Sicherheit für Anwendungen mit Spring Security - Behandelt Spring 5.0 Diese vollständig aktualisierte Ausgabe des Bestsellers »Spring in Action« enthält alle Spring-5.0-Updates, neue Beispiele für reaktive Programmierung, Spring WebFlux und Microservices. Ebenfalls enthalten sind die neuesten Best-Practice-Methoden für Spring einschließlich Spring Boot. Das Spring Framework erleichtert Java-Entwicklern die Arbeit. Neue Features in Spring 5 übertragen den produktivitätsorientierten Ansatz auf

Microservices, reaktive Entwicklung und andere moderne Anwendungskonzepte. Da Spring Boot nun vollständig integriert ist, können Sie auch komplexe Projekte sofort beginnen und müssen dafür nur minimalen Konfigurationscode schreiben. Das aktualisierte WebFlux-Framework unterstützt dabei reaktive Anwendungen, die sofort einsatzbereit sind. Das Buch führt Sie durch die Kernfunktionen von Spring, die Craig Walls in seinem berühmten klaren Stil erklärt. Erstellen Sie Schritt für Schritt eine sichere, datenbankgestützte Webanwendung. Auf dem Weg dorthin lernen Sie reaktive Programmierung, Microservices, Service Discovery, RESTful APIs und die Bereitstellung (Deployment) von Spring-Anwendungen kennen und bekommen außerdem zahlreiche Experten-Tipps. Ganz gleich, ob Sie Spring gerade entdecken oder auf die Version 5 migrieren – dieser Klassiker hilft Ihnen dabei! AUS DEM INHALT // Erste Schritte mit Spring/Webanwendungen entwickeln/Mit Daten arbeiten/Zugriffskontrolle mit Spring Security/Mit Konfigurationseigenschaften arbeiten/REST-Dienste erstellen und konsumieren/Nachrichten asynchron senden/Spring integrieren/Einführung in Reactor/Reaktive APIs entwickeln/Daten reaktiv persistent speichern/Service-Discovery/Konfiguration verwalten/Fehler und Latenzzeiten behandeln/Mit Spring Boot Actuator arbeiten/Spring verwalten/Spring mit JMX überwachen/Spring bereitstellen/Bootstrapping von Spring-Anwendungen

Spring Quick Reference Guide BPB Publications

Getting started with Spring Framework is a hands-on guide to begin developing applications using Spring Framework. This book is meant for Java developers with little or no knowledge of Spring Framework. All the examples shown in this book use Spring 3.2. You can download the examples (consisting of 40 sample projects) described in this book from the following Google Code project: code.google.com/p/getting-started-with-spring-framework/ Chapter 1 - Spring Framework basics Chapter 2 - Configuring beans Chapter 3 - Dependency injection Chapter 4 - Customizing beans and bean definitions Chapter 5 - Annotation-driven development with Spring Chapter 6 - Database interaction using Spring Chapter 7 - Messaging, emailing, asynchronous method execution, and caching using Spring Chapter 8 - Aspect-oriented programming This book covers: - Specifying configuration metadata using XML and annotations - Programmatically configuring Spring container and beans - Configuring different types of bean properties - Bean lifecycle interfaces - Customizing beans using BeanPostProcessors and BeanFactoryPostProcessors - Bean definition inheritance - JSR 250's and JSR 303 annotations for dependency injection - Validation using JSR 303 (Bean Validation API) annotations and Spring's Validator interface - SpEL (Spring Expression Language) - Caching using Spring's cache abstraction - Sending and receiving JMS messages using Spring - Aspect-oriented programming support in Spring - Sending emails using Spring - Asynchronously executing methods using Spring - Task scheduling - Database interaction using JDBC and Hibernate - Programmatic and declarative transaction management The book shows a simple internet banking application that is developed incrementally in each chapter of the book and covers the topics mentioned above. You can post your feedback and questions to the authors in the following Google Groups forum: groups.google.com/forum/#!forum/getting-started-with-spring-framework

Full Stack Development with Spring Boot 3 and React 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. *Hacking with Spring Boot 2.4* Apress 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 in Action, Sixth Edition Simon and Schuster

Take your application development skills to the next level by implementing Spring Boot features effectively About This Book 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 Who This Book Is For This book is for Java Developers who have good knowledge and understanding of Spring and Java application development. 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 In Detail 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. Style and approach This practical guide follows a recipe-based approach and provides extremely helpful guidelin ...

Full Stack AngularJS for Java Developers Packt Publishing Ltd Learn to develop, test, and deploy your Spring Boot distributed application and explore various best practices. Key Features Build and deploy your microservices architecture in the cloud Build event-driven resilient systems using Hystrix and Turbine Explore API management tools such as KONG and API documentation tools such as Swagger Book Description Spring is one of the best

frameworks on the market for developing web, enterprise, and cloud ready software. Spring Boot simplifies the building of complex software dramatically by reducing the amount of boilerplate code, and by providing production-ready features and a simple deployment model. This book will address the challenges related to power that come with Spring Boot's great configurability and flexibility. You will understand how Spring Boot configuration works under the hood, how to overwrite default configurations, and how to use advanced techniques to prepare Spring Boot applications to work in production. This book will also introduce readers to a relatively new topic in the Spring ecosystem – cloud native patterns, reactive programming, and applications. Get up to speed with microservices with Spring Boot and Spring Cloud. Each chapter aims to solve a specific problem or teach you a useful skillset. By the end of this book, you will be proficient in building and deploying your Spring Boot application. What you will learn Build logically structured and highly maintainable Spring Boot applications Configure RESTful microservices using Spring Boot Make the application production and operation-friendly with Spring Actuator Build modern, high-performance distributed applications using cloud patterns Manage and deploy your Spring Boot application to the cloud (AWS) Monitor distributed applications using log aggregation and ELK Who this book is for The book is targeted at experienced Spring and Java developers who have a basic knowledge of working with Spring Boot. The reader should be familiar with Spring Boot basics, and aware of its benefits over traditional Spring Framework-based applications.

Spring Boot O'Reilly Media

Design, build, and deploy performant and maintainable web applications using Spring, Spring Boot, and Angular Key Features Find solutions to common problems faced while developing applications with Angular and Spring Boot Explore tips, tricks, and best practices to overcome challenges related to source code Build applications faster and more efficiently using the Spring Framework and the Spring Boot extension Book Description Angular makes building applications with the web easy and Spring Boot helps get an application up and running using just a few lines of code and minimal configuration. This book provides insights into building full-stack apps using Angular and Spring Boot effectively to reduce overall development time and increase efficiency. You'll start by setting up your CI/CD pipeline and then build your web application's backend guided by best practices. You'll then see how Spring Boot allows you to build applications faster and more efficiently by letting the Spring Framework and Spring Boot extension do the heavy lifting. The book demonstrates how to use Spring Data JPA and add its dependencies along with Postgres dependencies in the project to save or persist a user's data in a database for future use. As you advance, you'll see how to write tests and test a service using Mockito. Finally, you'll create a CI workflow or pipeline for a Spring Boot and Angular application to enable operations to deliver quality applications faster. By the end of this Spring Boot and Angular book, you'll be able to build a full-stack web application and deploy it through continuous integration and continuous deployment. What you will learn Explore how to architect Angular for enterprise-level app development Create a Spring Boot project using Spring Initializr Build RESTful APIs for enterprise-level app development Understand how using Redis for caching can improve your application's performance Discover CORS and how to add CORS policy in the Spring Boot application for better security Write tests to maintain a healthy Java Spring Boot application Implement testing and modern deployments of frontend and backend applications Who this book is for The book is for busy Java web developers and TypeScript developers with little experience developing Angular and Spring Boot apps who want to learn best practices for building full-stack web apps. Basic knowledge of HTML, CSS, and JavaScript or the Java programming language is necessary.

Getting Started with Spring Framework Packt Publishing Ltd

If you need to learn Spring, look no further than this widely beloved and comprehensive guide! Fully revised for Spring 5.3, and packed with interesting real-world examples to get your hands dirty with Spring. In *Spring in Action*, 6th Edition you will learn: Building reactive applications Relational and NoSQL databases Integrating via HTTP and REST-based services, and sand reactive RSocket services Reactive programming techniques Deploying applications to traditional servers and containers Securing applications with Spring Security Over the years, *Spring in Action* has helped tens of thousands of developers get a major productivity boost from Spring. This new edition of the classic bestseller covers all of the new features of Spring 5.3 and Spring Boot 2.4 along with examples of reactive programming, Spring Security for REST Services, and bringing reactivity to your databases. You'll also find the latest Spring best practices, including Spring Boot for application setup and configuration. About the technology Spring is required knowledge for Java developers! Why? Th is powerful framework eliminates a lot of the tedious configuration and repetitive coding tasks, making it easy to build enterprise-ready, production-quality software. The latest updates bring huge productivity boosts to microservices, reactive development, and other modern application designs. It's no

wonder over half of all Java developers use Spring. About the book *Spring in Action*, Sixth Edition is a comprehensive guide to Spring's core features, all explained in Craig Walls' famously clear style. You'll put Spring into action as you build a complete database-backed web app step-by-step. This new edition covers both Spring fundamentals and new features such as reactive flows, Kubernetes integration, and RSocket. Whether you're new to Spring or leveling up to Spring 5.3, make this classic bestseller your bible! What's inside Relational and NoSQL databases Integrating via RSocket and REST-based services Reactive programming techniques Deploying applications to traditional servers and containers About the reader For beginning to intermediate Java developers. About the author Craig Walls is an engineer at VMware, a member of the Spring engineering team, a popular author, and a frequent conference speaker. Table of Contents PART 1 FOUNDATIONAL SPRING 1 Getting started with Spring 2 Developing web applications 3 Working with data 4 Working with nonrelational data 5 Securing Spring 6 Working with configuration properties PART 2 INTEGRATED SPRING 7 Creating REST services 8 Securing REST 9 Sending messages asynchronously 10 Integrating Spring PART 3 REACTIVE SPRING

11 Introducing Reactor 12 Developing reactive APIs 13 Persisting data reactively 14 Working with RSocket PART 4 DEPLOYED SPRING 15 Working with Spring Boot Actuator 16 Administering Spring 17 Monitoring Spring with JMX 18 Deploying Spring *Spring Boot 2* Packt Publishing Ltd
Get up and running with the Spring Boot and React stack - build an app from start to finish, test the frontend and backend, and deploy. Now with TypeScript code! Purchase of the print or Kindle book includes a free PDF eBook Key Features Use Spring Boot 3 to create powerful, complex, and secure backends for your applications Leverage React to build slick, high-performance frontends Get introduced to TypeScript, Vite, and React Query for React development Book DescriptionIf you're an existing Java developer who wants to go full stack or pick up another frontend framework, this book is your concise introduction to React. In this three-part build-along, you'll create a robust Spring Boot backend, a React frontend, and then deploy them together. This new edition is updated to Spring Boot 3 and includes expanded content on security and testing. For the first time ever, it also covers React development with the in-demand TypeScript. You'll

explore the elements that go into creating a REST API and testing, securing, and deploying your applications. You'll learn about custom Hooks, third-party components, and MUI. By the end of this book, you'll be able to build a full stack application using the latest tools and modern best practices. What you will learn Make fast and RESTful web services powered by Spring Data REST Create and manage databases using ORM, JPA, Hibernate, and more Explore the use of unit tests and JWTs with Spring Security Employ React Hooks, props, states, and more to create your frontend Harness the Material UI component library to customize your frontend Use the fetch API, Axios, and React Query for networking Add CRUD functionality to your apps Deploy your apps using AWS and Docker Who this book is for This book is for Java developers who have basic familiarity with Spring Boot but don't know where to start when it comes to building full stack applications. Basic knowledge of JavaScript and HTML will help you to follow along. You'll also find this book useful if you're a frontend developer with knowledge of JavaScript basics and looking to learn full stack development, or a full stack developer experienced in other technology stacks looking to learn a new one.

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