[Master Java Web Services And Rest Api With Spring Boot Udemy](#)

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Master Java Web Services And Rest Api With Spring Boot Udemy:

Master Java Web Services and REST API with Spring Boot Ranga Karanam,2018 Developing SOAP and RESTful web services is fun The combination of Spring Boot Spring Web MVC Spring web services and JPA makes it even more fun Architectures are moving towards Microservices RESTful web services are the first step to developing great Microservices Spring Boot in combination with Spring Web MVC also called Spring REST makes it easy to develop RESTful web services There are two parts to this course RESTful web services and SOAP web services In the first part of the course you will learn the basics of RESTful web services developing resources for a social media application You will learn to implement these resources with multiple features such as versioning exception handling documentation Swagger basic authentication Spring Security filtering and HATEOAS You will learn the best practices in designing RESTful web services You will be using Spring dependency management Spring MVC or Spring REST Spring Boot Spring Security authentication and authorization Spring Boot Actuator monitoring Swagger Documentation Maven dependencies management Eclipse IDE Postman REST services client and the Tomcat embedded web server In the second part of the course you will learn the basics of implementing SOAP web services by developing a few web services for a course management application You will learn to use a contract first approach defining XSD XML Schema Definition for your requests and responses You will learn about WSDL SOAP header SOAP body and SOAP fault XSD XML schema definition and JAXB Java API for XML binding You will implement three SOAP web services with exception handling and basic security with WS security In this part of the course you will be using Spring dependency management Spring web services Spring Boot Spring Security authentication and authorization Swagger documentation Maven dependencies management Eclipse IDE Wizdler SOAP services Chrome Plugin and the Tomcat embedded web server We will help you set up each one of these Resource description page   Spring: Microservices with Spring Boot Ranga Rao Karanam,2018-03-14 Unlock the power of Spring Boot to build and deploy production ready microservices Key Features Get to know the advanced features of Spring Boot in order to develop and monitor applications Use Spring cloud to deploy and manage microservices on the cloud Look at embedded servers and deploy a test application to a PaaS Cloud platform Embedded with assessments that will help you revise the concepts you have learned in this book Book Description Microservices helps in decomposing applications into small services and move away from a single monolithic artifact It helps in building systems that are scalable flexible and high resilient Spring Boot helps in building REST oriented production grade microservices This book is a quick learning guide on how to build monitor and deploy microservices with Spring Boot You ll be first familiarized with Spring Boot before delving into building microservices You will learn how to document your microservice with the help of Spring REST docs and Swagger documentation You will then learn how to secure your microservice with Spring Security and OAuth2 You will deploy your app using a self contained HTTP server and also learn to monitor a microservice with the help of Spring Boot actuator This book is ideal for Java

developers who knows the basics of Spring programming and want to build microservices with Spring Boot This book is embedded with useful assessments that will help you revise the concepts you have learned in this book What you will learn Use Spring Initializr to create a basic spring project Build a basic microservice with Spring Boot Implement caching and exception handling Secure your microservice with Spring security and OAuth2 Deploy microservices using self contained HTTP server Monitor your microservices with Spring Boot actuator Learn to develop more effectively with developer tools Who this book is for This book is aimed at Java developers who knows the basics of Spring programming and want to build microservices with Spring Boot **Java API for RESTful Web Services** Zanis Khan,2020 Master the Java API for RESTful Web Services in this in depth course from Java expert Zanis Khan There are seven topics which focus on the Java programming language API spec allowing you to create powerful web services according to the Representational State Transfer architectural pattern Introducing RESTful Services Be able to explain RESTful Representational State Transfer services during this first topic in the Rest API using Java course Follow along with Zanis and learn about the tools we will use Oracle Weblogic and Eclipse Oracle database and the Chrome browser to start building APIs HTTP XML JSON and URIs are discussed as well Using the RESTful API Service Practice working with the RESTful API Service during this second topic in the Rest API using Java course Get the environment up and running and also set up two very important frameworks the Jersey framework and the Jackson framework Connecting to a Database Use the RESTful API service to connect to a database during this third topic in the Rest API using Java course Creating Search Functionality Part 1 Use the RESTful API service to create search functionality during this fourth topic in the Rest API using Java course Creating Search Functionality Part 2 Continue using the RESTful API service and build upon the prior session to include additional search functionality during this fifth topic in the Rest API using Java course Submitting Data Use the RESTful API service to submit data during this sixth topic in the Rest API using Java course Follow along with Zanis and practice using SQL to insert data into the relational database Updating and Deleting Data Use the RESTful API service to update and delete data during this seventh topic in the Rest API using Java course Follow along with Zanis and practice using SQL to update and delete data from the relational database   Spring Boot in Practice Somnath Musib,2022-07-12 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   *Building RESTful Web Services with Spring 5* Raja Csp Raman,Ludovic Dewailly,2018-01-24 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 explores 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

Building RESTful Web Services with Spring 5 Raja CSP Raman,Ludovic Dewailly,2018-01-29 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 explores 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   *Building RESTful Web Services with Java EE 8* Mario-Leander Reimer,2018-07-31 Learn the fundamentals of Java EE 8 APIs to build effective web services Key Features Design modern and stylish web services with Java EE APIs Secure your web services with JSON Web Tokens Explore the advanced concepts of RESTful web services and the JAX RS API Book Description Java Enterprise Edition is one of the leading application programming platforms for enterprise Java development With Java EE 8 finally released and the first application servers now available it is time to take a closer look at how to develop modern and lightweight web services with the latest API additions and improvements Building RESTful Web Services with Java EE 8 is a comprehensive guide that will show you how to develop state of the art RESTful web services with the latest Java EE 8 APIs You will begin with an overview of Java EE 8 and the latest API additions and improvements You will then delve into the details of implementing synchronous RESTful web services and clients with JAX RS Next up you will learn about the specifics of data binding and content marshalling using the JSON B 1 0 and JSON P 1 1 APIs This book also guides you in leveraging the power of asynchronous APIs on the server and client side and you will learn to use server sent events SSEs for push communication The final section covers advanced web service topics such as validation JWT security and diagnosability By the end of this book you will have implemented several working web services and have a thorough understanding of the Java EE 8 APIs required for lightweight

web service development What you will learn Dive into the latest Java EE 8 APIs relevant for developing web services Use the new JSON B APIs for easy data binding Understand how JSON P API can be used for flexible processing Implement synchronous and asynchronous JAX RS clients Use server sent events to implement server side code Secure Java EE 8 web services with JSON Web Tokens Who this book is for If you re a Java developer who wants to learn how to implement web services using the latest Java EE 8 APIs this book is for you Though no prior knowledge of Java EE 8 is required experience with a previous Java EE version will be beneficial   <u>Spring REST</u> Balaji Varanasi,Maxim Bartkov,2021-11-28 Design and develop Java based RESTful APIs using the latest versions of the Spring MVC and Spring Boot frameworks This book walks you through the process of designing and building a REST application while delving into design principles and best practices for versioning security documentation error handling paging and sorting Spring REST 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 What You Will Learn Build Java based microservices native cloud or any applications using Spring REST Employ Spring MVC and RESTful Spring Build a QuickPoll application example Document REST services as well as versioning paging and sorting Test handle errors and secure your application Who This Book Is For Intermediate Java programmers with at least some prior experience with Spring and web cloud application development   *Modern API Development with Spring and Spring Boot* Sourabh Sharma,2021-06-25 A developer s guide to designing testing and securing production ready modern APIs with the help of practical ideas to improve your application s functionality Key FeaturesBuild resilient software for your enterprises and customers by understanding the complete API development life cycleOvercome the challenges of traditional API design by adapting to a new and evolving culture of modern API developmentUse Spring and Spring Boot to develop future proof scalable APIsBook Description The philosophy of API development has evolved over the years to serve the modern needs of enterprise architecture and developers need to know how to adapt to these modern API design principles Apps are now developed with APIs that enable ease of integration for the cloud environment and distributed systems With this Spring book you ll discover various kinds of production ready API implementation using REST APIs and explore async using the reactive paradigm gRPC and GraphQL You ll learn how to design evolving REST based APIs supported by HATEOAS and ETAGs and develop reactive async non blocking APIs After that you ll see how to secure REST APIs using Spring Security and find out how the APIs that you develop are consumed by the app s UI The book then takes you through the process of testing deploying logging and monitoring your APIs You ll also explore API development using gRPC and GraphQL and design modern scalable architecture with microservices The book

helps you gain practical knowledge of modern API implementation using a sample e commerce app By the end of this Spring book you ll be able to develop test and deploy highly scalable maintainable and developer friendly APIs to help your customers to transform their business What you will learnUnderstand RESTful API development its design paradigm and its best practicesBecome well versed in Spring s core components for implementing RESTful web servicesImplement reactive APIs and explore async API developmentApply Spring Security for authentication using JWT and authorization of requestsDevelop a React based UI to consume APIsImplement gRPC inter service communicationDesign GraphQL based APIs by understanding workflows and toolingGain insights into how you can secure test monitor and deploy your APIsWho this book is for This book is for inexperienced Java programmers comp science or coding boot camp graduates who have knowledge of basic programming constructs data structures and algorithms in Java but lack the practical web development skills necessary to start working as a developer Professionals who ve recently joined a startup or a company and are tasked with creating real world web APIs and services will also find this book helpful This book is also a good resource for Java developers who are looking for a career move into web development to get started with the basics of web service development   *RESTful Java Web Services* Bogunuva Mohanram Balachandar,2017-11-17 Master core REST concepts and create RESTful web services in Java About This Book Build efficient and secure RESTful web APIs in Java Design solutions to produce consume and visualize RESTful web services using WADL RAML and Swagger Familiarize the role of RESTful APIs usage in emerging technology trends like Cloud IoT Social Media Who This Book Is For If you are a web developer with a basic understanding of the REST concepts and envisage to get acquainted with the idea of designing and developing RESTful web services this is the book for you As all the code samples for the book are written in Java proficiency in Java is a must What You Will Learn Introduce yourself to the RESTful software architectural style and the REST API design principles Make use of the JSR 353 API JSR 374 API JSR 367 API and Jackson API for JSON processing Build portable RESTful web APIs making use of the JAX RS 2 1 API Simplify API development using the Jersey and RESTEasy extension APIs Secure your RESTful web services with various authentication and authorization mechanisms Get to grips with the various metadata solutions to describe produce and consume RESTful web services Understand the design and coding guidelines to build well performing RESTful APIs See how the role of RESTful web services changes with emerging technologies and trends In Detail Representational State Transfer REST is a simple yet powerful software architecture style to create lightweight and scalable web services The RESTful web services use HTTP as the transport protocol and can use any message formats including XML JSON widely used CSV and many more which makes it easily inter operable across different languages and platforms This successful book is currently in its 3rd edition and has been used by thousands of developers It serves as an excellent guide for developing RESTful web services in Java This book attempts to familiarize the reader with the concepts of REST It is a pragmatic guide for designing and developing web services using Java APIs for real life use cases following best practices

and for learning to secure REST APIs using OAuth and JWT Finally you will learn the role of RESTful web services for future technological advances be it cloud IoT or social media By the end of this book you will be able to efficiently build robust scalable and secure RESTful web services using Java APIs Style and approach Step by step guide to designing and developing robust RESTful web services Each topic is explained in a simple and easy to understand manner with lots of real life use cases and their solutions   Building a RESTful Web Service with Spring Ludovic Dewailly,2015-10-14 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 Boot 2.0 Projects** Mohamed Shazin Sadakath,2018-07-30 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 **Beginning Spring Boot 2** K. Siva Prasad Reddy,2017-09-27 Learn Spring Boot and how to build Java based enterprise web and microservice applications with it In this book you ll see how to work with relational and NoSQL databases build your first microservice enterprise or web application and enhance that application with REST APIs You ll also learn how to build reactive web applications using Spring Boot along with Spring Web Reactive Then you ll secure your Spring Boot created application or service before testing and deploying it After reading and learning with Beginning Spring Boot 2 you ll have the skills and techniques to start building your first Spring Boot applications and microservices with confidence to take the next steps in your career journey What You ll Learn Use Spring Boot autoconfiguration Work with relational and NoSQL databases Build web applications with Spring Boot Apply REST APIs using Spring Boot Create reactive web applications using Spring Web Reactive Secure your Spring Boot applications or web services Test and deploy your Spring Boot applications Who This Book Is For Experienced Java and Spring Framework developers who are new to the new Spring Boot micro framework *Spring Boot 2 Fundamentals* Patrick Cornelißen,Michael Piefel,Alexander Sparkowsky,2018-11-23 Leverage this rich framework to develop efficient applications and services in no time Key Features Learn key skills for building complete professional Java applications Develop your own blogging application as you learn core concepts Master the core concepts of Spring Boot with hands on exercises and activities Book Description Spring Boot 2 Fundamentals begins with the basics of Spring Boot You will write and test simple code using the Spring Framework and then use these skills to

learn advanced concepts such as creating an HTML based frontend with dynamic data and HTML forms As you make your way through the chapters you will create a simple web interface to display blog posts list all articles along with creating and editing blog articles You will work with the REST API functionality that Spring Boot offers and secure your blog application By the end of this book you will have learned how to persist your blog posts in a database bringing everything together as a web application What you will learn Create your own Spring Boot application from scratch Write comprehensive unit tests for your applications Store data in a relational database Build your own RESTful API with Spring Boot Developa rich web interface for your applications Secure your application with Spring Security Who this book is for Spring Boot 2 Fundamentals is for you if you want to create modern web applications or RESTful services with Java You should at least have basic knowledge of Java and know how to compile an application with a given POM file with Maven You don t need to be an HTML expert but you should know how HTML works and how to keep a file XML XHTML compliant   REST Applications with Spring Tomasz Lelek,2019 Use Spring to create scalable and fully testable REST APIs You ll see that by leveraging your Spring MVC experience you can create RESTful web services without learning a new framework or library In this video you will learn more about Spring Boot and its most powerful APIs REST and DI Starting with Spring Boot you will use Maven and Spring Boot Starter Parent to set up your project You will then gain insights on applying business logic to your APIs by using dependency injection With your business logic set you will develop your REST API with the Spring RestController and make use of Spring s powerful testing toolkit to test the integration of your application After going through this course you will be able to create scalable and fully testable REST APIs to use in your microservices What You Will Learn Use Spring Boot with a microservices architecture Create business components and plug them into your app using Spring DI Leverage Spring REST for exposing your logic via a REST API Test your logic with Spring integration tests Who This Video Is For Those with basic knowledge of Java programming who d like to use Spring for developing RESTful web services   *RESTful Java Web Services* José Sandoval,2009 The approach we take is ideal for software developers with some or extensive programming experience we design a RESTful API which serves as our software specification and implement it with every framework discussed in the book there are no hypothetical examples only practical working applications This book is for Java developers who want to code RESTful web services using any of the open source RESTful frameworks available to date for example JAX RS implementations such as Jersey and RESTEasy the Restlet lightweight framework or Struts 2 with the REST plug in You don t need to know REST as we cover the theory of REST and web services however you should be familiar with the Java language and have some understanding of Java web applications For each framework we develop the same web service outlined in Chapter 4 so there is lots of working code available This is a practical guide and the majority of the book is about coding RESTful web services and not just about the theory of REST   **Designing Applications with Spring Boot 2.2 and React JS** Rajput Dinesh,2019-09-20 Let us full stack development with Spring Boot and React JS 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 DescriptionDesigning 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 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 containersWho this book is forDesigning 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 Table of contents1 Getting Started with Spring Boot 2 2 2 Customizing Auto Configuration 3 Configuring Data and CRUD operations 4 Creating REST APIs with Spring Boot 2 2 5

Securing REST APIs 6 Testing Spring Boot Application 7 Getting Started with React8 Creating and Styling React Components9 Consuming the REST API with React JS10 Deploying and Containerizing ApplicationAbout the authorDinesh Rajput is a founder of https www dineshonjava com a blog for Spring and Java techies He is a Spring enthusiast and a Pivotal Certified Spring Professional He has written many software design development books some of the bestselling books on Amazon Dinesh s title Spring 5 Design Patterns and Mastering Spring Boot 2 0 are the Amazon 1 best selling books on Java He has more than 10 years of experience with various aspects of Spring and cloud native development such as REST APIs and microservice architecture He is currently working as an architect at a leading company He has worked as a tech lead at Bennett Coleman Co Ltd and Paytm He has a master s degree in computer engineering from JSS Academy of Technical Education Noida and lives in Noida with his family His Website https www dineshonjava comHis Blog https www dineshonjava com https www dineshrajput comHis LinkedIn Profile https www linkedin com in rajputdinesh **Spring Boot 3 and Spring Framework 6** Rheinwerk Publishing, Inc,Christian Ullenboom,2025-06-19 Master Spring Boot 3 and Spring Framework 6 to create scalable Java applications Learn database integration web development monitoring and deployment with modern best practices Key Features Comprehensive coverage of Spring Boot 3 and Spring Framework 6 core concepts and modules Detailed guidance on relational and NoSQL database integration for versatile data management Focus on practical deployment monitoring and logging techniques for production ready applications Book DescriptionThis book takes readers on a comprehensive journey through Spring Boot 3 and Spring Framework 6 starting with the essentials of dependency injection and Spring managed containers It then explores core modules and proxies to establish a strong foundation for Java application development Early chapters guide readers through configuring Spring Boot projects and managing dependencies efficiently The middle sections focus heavily on database integration including relational databases using Spring JDBC Jakarta Persistence and advanced Spring Data JPA techniques Readers will also learn to work with NoSQL databases like MongoDB and Elasticsearch enhancing their ability to handle various data storage solutions The book covers the development of web applications using Spring MVC RESTful API design and securing web endpoints The final chapters emphasize application monitoring with Spring Boot Actuator logging strategies and practical deployment options including containerization Alongside the core content a dedicated migration chapter assists developers transitioning from Spring Boot 2 to version 3 ensuring they stay current with evolving best practices This structured approach prepares readers to confidently build monitor and deploy modern production ready Java applications What you will learn Build Spring Boot projects using dependency injection effectively Configure relational and NoSQL databases for scalable applications Develop RESTful APIs using Spring Web MVC and security best practices Implement Jakarta Persistence and Spring Data JPA for data management Monitor and log applications using Spring Boot Actuator and Micrometer Deploy Spring Boot applications with containers and cloud ready setups Who this book is for Ideal for Java developers aiming to deepen their Spring Boot and

Spring Framework knowledge Readers should have basic Java programming skills and familiarity with object oriented programming concepts Some prior experience with Java EE or Spring is helpful but not required The book suits both beginners and intermediate developers ready to build full featured modern Java applications **Mastering RESTful Web Services with Java** Marián Varga,Pedro Henrique Pereira de Andrade,Silvio de Morais,Thiago Bomfim,Igor Avancini Fraga,2025-07-31 Learn RESTful API design with Java covering everything from fundamental design principles to advanced techniques for authentication versioning error handling security testing performance and more Key Features Discover essential architectural principles for building robust and adaptable REST APIs Gain practical insights into tuning performance and securing endpoints through real world case studies Apply API design concepts to build fully functional services using popular frameworks like Spring Boot Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionREST powers the modern web yet developers grapple with architectural missteps that lead to poorly designed REST endpoints inadequate error handling security vulnerabilities and maintenance headaches Written by five software engineering and Java experts Mastering RESTful Web Services with Java helps you overcome these pitfalls with a deep practical understanding of REST architecture HTTP protocols and modern API design principles This hands on guide introduces foundational concepts based on Roy Fielding s principles and the Richardson Maturity Model and shows you how to apply them in your API development projects You ll build a Product API from scratch progressively enhancing it with documentation versioning and security features and then advance to creating an Order Management API that interacts with the Product API while implementing advanced testing and performance optimization techniques Each chapter delivers step by step explanations and practical examples ensuring you develop production ready skills that translate directly to your daily work By the end of the book you ll be ready to deliver production grade RESTful services and become the API expert your team turns to for critical application development projects What you will learn Design clean modular REST APIs that support real world business workflows Implement secure authentication and authorization flows using modern identity standards Deploy your application to the cloud with strategies that ensure reliability elasticity and cost efficiency Use the OpenAPI specification to define precise contracts and promote consumer driven API development Leverage Java records and virtual threads to write concise scalable and concurrent service logic Apply structured testing techniques to validate behavior resilience and security across your API layers Who this book is for This book is for mid to senior level backend Java developers looking to improve the quality and performance of their REST APIs Whether you re optimizing existing APIs or launching a greenfield project the ideas shared here will enhance your development practice Additionally tech leads and architects looking to sharpen their API design skills and master advanced Java API development techniques will find this book useful **Spring Essentials** Shameer Kunjumohamed,Hamidreza Sattari,2016-02-26 Build mission critical enterprise applications using Spring Framework and Aspect Oriented Programming About This Book Step into more advanced features

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