

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

This practical step-by-step tutorial has plenty of example code coupled with the necessary screenshots and clear narration so that grasping content is made easier and quicker, This book is intended for Java web developers and assumes a basic understanding of creating Java web applications, XML, and the Spring Framework. You are not assumed to have any previous experience with Spring Security.

Discover the latest features of Spring framework by building robust, fast, and reactive web applications Key Features Take advantage of all the features of Spring 5.0 with third party tools to build a robust back end Secure Spring based web application using Spring Security framework with LDAP and OAuth protocol Develop robust and scalable microservice based applications on Spring Cloud, using Spring Boot Book Description Spring makes it easy to create RESTful applications, merge with social services, communicate with modern databases, secure your system, and make

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

your code modular and easy to test. With the arrival of Spring Boot, developers can really focus on the code and deliver great value, with minimal contour. This book will show you how to build various projects in Spring 5.0, using its features and third party tools. We'll start by creating a web application using Spring MVC, Spring Data, the World Bank API for some statistics on different countries, and MySQL database. Moving ahead, you'll build a RESTful web services application using Spring WebFlux framework. You'll be then taken through creating a Spring Boot-based simple blog management system, which uses Elasticsearch as the data store. Then, you'll use Spring Security with the LDAP libraries for authenticating users and create a central authentication and authorization server using OAuth 2 protocol. Further, you'll understand how to create Spring Boot-based monolithic application using JHipster. Toward the end, we'll create an online book store with microservice architecture using Spring Cloud and Netflix OSS components, and a task management system using Spring and Kotlin. By the end of the book, you'll be able to create coherent and flexible real-time web applications using Spring Framework. What you will learn Build Spring based application using Bootstrap template and JQuery Understand the Spring WebFlux framework and how it uses

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Reactor library Interact with Elasticsearch for indexing, querying, and aggregating data Create a simple monolithic application using JHipster Use Spring Security and Spring Security LDAP and OAuth libraries for Authentication Develop a microservice-based application with Spring Cloud and Netflix Work on Spring Framework with Kotlin Who this book is for This book is for competent Spring developers who wish to understand how to develop complex yet flexible applications with Spring. You must have a good knowledge of Java programming and be familiar with the basics of Spring.

Solve all your Spring 5 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. The recipes in Spring 5 Recipes cover Spring fundamentals such as Spring IoC container, Spring AOP/ AspectJ, and more. Other recipes include Spring enterprise solutions for topics such as Spring Java EE integration, Spring Integration, Spring Batch, Spring Remoting, messaging, transactions, and working with big data and the cloud using Hadoop and MongoDB. Finally, Spring web recipes cover Spring MVC, other dynamic scripting, integration with the popular Grails

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Framework (and Groovy), REST/web services, and more. You'll also see recipes on new topics such as Spring Framework 5, reactive Spring, Spring 5 microservices, the functional web framework and much more. This book builds upon the best-selling success of the previous editions and focuses on the latest Spring Framework features for building enterprise Java applications. What You'll Learn Get re-usable code recipes and snippets for core Spring, annotations and other development tools Access Spring MVC for web development Work with Spring REST and microservices for web services development and integration into your enterprise Java applications Use Spring Batch, NoSQL and big data for building and integrating various cloud computing services and resources Integrate Java Enterprise Edition and other Java APIs for use in Spring Use Grails code and much more Who This Book Is For Experienced Java and Spring programmers.

Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

that protects against threats both common and extraordinary. Summary While creating secure applications is critically important, it can also be tedious and time-consuming to stitch together the required collection of tools. For Java developers, the powerful Spring Security framework makes it easy for you to bake security into your software from the very beginning. Filled with code samples and practical examples, Spring Security in Action teaches you how to secure your apps from the most common threats, ranging from injection attacks to lackluster monitoring. In it, you'll learn how to manage system users, configure secure endpoints, and use OAuth2 and OpenID Connect for authentication and authorization. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Security is non-negotiable. You rely on Spring applications to transmit data, verify credentials, and prevent attacks. Adopting "secure by design" principles will protect your network from data theft and unauthorized intrusions. About the book Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and

create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration that protects against threats both common and extraordinary. What's inside
Encoding passwords and authenticating users
Securing endpoints
Automating security testing
Setting up a standalone authorization server
About the reader
For experienced Java and Spring developers.
About the author
Laurentiu Spilca is a dedicated development lead and trainer at Endava, with over ten years of Java experience.

Table of Contents PART 1 - FIRST STEPS 1

Security Today 2 Hello Spring Security PART 2 -

IMPLEMENTATION 3 Managing users 4 Dealing with passwords 5 Implementing authentication 6

Hands-on: A small secured web application 7

Configuring authorization: Restricting access 8

Configuring authorization: Applying restrictions 9

Implementing filters 10 Applying CSRF protection and CORS 11 Hands-on: A separation of

responsibilities 12 How does OAuth 2 work? 13

OAuth 2: Implementing the authorization server 14

OAuth 2: Implementing the resource server 15

OAuth 2: Using JWT and cryptographic signatures

16 Global method security: Pre- and

postauthorizations 17 Global method security: Pre- and postfiltering 18 Hands-on: An OAuth 2

application 19 Spring Security for reactive apps 20

Spring Security testing

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Efficiently manage and modernize data in the cloud using Azure SQL, 3rd Edition

Making Passwords Secure

Discovering the Miracle of the Scarlet Thread in Every Book of the Bible

Build web applications with MongoDB, Express.js, React, and Node

A Simple Plan for Understanding the Bible

Spring 5.0 Projects

: Strategies to Prevent Burnout in Special Education Practitioners

The second edition of the Encyclopedia of Toxicology continues its comprehensive survey of toxicology. This new edition continues to present entries devoted to key concepts and specific chemicals. There has been an increase in entries devoted to international organizations and well-known toxic-related incidents such as Love Canal and Chernobyl. Along with the traditional scientifically based entries, new articles focus on the societal implications of toxicological knowledge including environmental crimes, chemical and biological warfare in ancient times, and a history of the U.S.

environmental movement. With more than 1150 entries, this second edition has been expanded in length, breadth and depth, and provides an extensive overview of the many facets of toxicology. Also available online via ScienceDirect – featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation flexible and easy. For more information, pricing options and availability visit www.info.sciencedirect.com. *Second edition has been expanded to 4 volumes *Encyclopedic A-Z arrangement of chemicals and all core areas of the science of

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

toxicology *Covers related areas such as organizations, toxic accidents, historical and social issues, and laws *New topics covered include computational toxicology, cancer potency factors, chemical accidents, non-lethal chemical weapons, drugs of abuse, and consumer products and many more!

Secure your Java applications by integrating the Spring Security framework in your code

Key Features

- Provide authentication, authorization and other security features for Java applications. Learn how to secure microservices, cloud, and serverless applications easily
- Understand the code behind the implementation of various security features

Book Description

Security is one of the most vital concerns for any organization. The complexity of an application is compounded when you need to integrate security with existing code, new technology, and other frameworks. This book will show you how to effectively write Java code that is robust and easy to maintain.

Hands-On Spring Security 5 for Reactive Applications

starts with the essential concepts of reactive programming, Spring Framework, and Spring Security. You will then learn about a variety of authentication mechanisms and how to integrate them easily with the Spring MVC application. You will also understand how to achieve authorization in a Spring WebFlux application using Spring Security. You will be able to explore the security configurations required to achieve OAuth2 for securing REST APIs and integrate security in microservices and serverless applications. This book will guide you in integrating add-ons that will add value to any Spring Security module. By the end of the book, you will be proficient at integrating Spring Security in your Java applications

What you will learn

- Understand how Spring Framework and Reactive application programming are connected
- Implement easy security configurations with Spring Security expressions
- Discover the relationship between OAuth2 and OpenID Connect

Secure

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

microservices and serverless applications with Spring Integrate add-ons, such as HDIV, Crypto Module, and CORS support Apply Spring Security 5 features to enhance your Java reactive applications Who this book is for If you are a Java developer who wants to improve application security, then this book is for you. A basic understanding of Spring, Spring Security framework, and reactive applications is required to make the most of the book.

The book starts by teaching the basic fundamentals of Spring Security 3 such as setup and configuration. Later it looks at more advanced topics showing the reader how to solve complex real world security issues. This book is for Java developers who build web projects and applications. The book assumes basic familiarity with Java, XML and the Spring Framework. Newcomers to Spring Security will still be able to utilize all aspects of this book.

This book takes you through tried and tested approaches to building distributed systems and implementing microservices architecture. It follows a single real-world project from start to finish, using Spring Boot, Spring Cloud, and a full suite of related tools and frameworks for development, security, testing, and deployment.

The JHipster Mini-Book

Protect your web applications using Spring Security

Spring Quick Reference Guide

Spring Security in Action

Assisted Reproductive Technology

Security Engineering

Build resilient and scalable microservices using Spring Cloud, Istio, and Kubernetes, 2nd Edition

The latest version of a bestseller upgraded for Spring 5.3 and Spring Boot 2.4, Spring in Action, Sixth Edition also covers the RSocket

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

specification for reactive networking between applications and delves deep into essential features of Spring Security. Spring in Action, Sixth Edition guides you through Spring ' s core features explained in Craig Walls ' famously clear style. You ' ll roll up your sleeves and build a secure database-backed web app step by step. Along the way, you ' ll explore reactive programming, microservices, service discovery, RESTful APIs, deployment, and expert best practices. The latest version of a bestseller upgraded for Spring 5.3 and Spring Boot 2.4, Spring in Action, Sixth Edition also covers the RSocket specification for reactive networking between applications and delves deep into essential features of Spring Security. Whether you ' re just discovering Spring or leveling up to Spring 5.3, this Manning classic is your ticket! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Efficiently integrate OAuth 2.0 to protect your mobile, desktop, Cloud applications and APIs using Spring Security technologies. About This Book Interact with public OAuth 2.0 protected APIs such as Facebook, LinkedIn and Google. Use Spring Security and Spring Security OAuth2 to implement your own OAuth 2.0 provider Learn how to implement OAuth 2.0

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

native mobile clients for Android applications
Who This Book Is For This book targets software engineers and security experts who are looking to develop their skills in API security and OAuth 2.0. Prior programming knowledge and a basic understanding of developing web applications are necessary. As this book's recipes mostly use Spring Security and Spring Security OAuth2, some prior experience with Spring Framework will be helpful. What You Will Learn Use Redis and relational databases to store issued access tokens and refresh tokens Access resources protected by the OAuth2 Provider using Spring Security Implement a web application that dynamically registers itself to the Authorization Server Improve the safety of your mobile client using dynamic client registration Protect your Android client with Proof Key for Code Exchange Protect the Authorization Server from COMPUTERS / Cloud Computing redirection In Detail OAuth 2.0 is a standard protocol for authorization and focuses on client development simplicity while providing specific authorization flows for web applications, desktop applications, mobile phones, and so on. This book also provides useful recipes for solving real-life problems using Spring Security and creating Android applications. The book

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

starts by presenting you how to interact with some public OAuth 2.0 protected APIs such as Facebook, LinkedIn and Google. You will also be able to implement your own OAuth 2.0 provider with Spring Security OAuth2. Next, the book will cover practical scenarios regarding some important OAuth 2.0 profiles such as Dynamic Client Registration, Token Introspection and how to revoke issued access tokens. You will then be introduced to the usage of JWT, OpenID Connect, and how to safely implement native mobile OAuth 2.0 Clients. By the end of this book, you will be able to ensure that both the server and client are protected against common vulnerabilities. Style and approach With the help of real-world examples, this book provides step by step recipes for troubleshooting and extending your API security. The book also helps you with accessing and securing data on mobile, desktop, and cloud apps with OAuth 2.0.

Whether it is learning different techniques to monitor and tune an Azure SQL database or improving performance using in-memory technology, this book will enable you to make the most out of Azure SQL database features and functionality for data management solutions.

This book offers practical approaches to

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

support new teachers in the field of special education mentally, emotionally, and professionally in the wake of policy changes, compliance challenges, and bureaucratic challenges.

Securing Spring Framework 5 and Boot 2-based Java Applications

Spring in Action, Sixth Edition

Hands-On Spring Security 5 for Reactive Applications

An Authoritative Guide to Building Microservices, Web and Enterprise Applications, and Best Practices

Learn how the various components of Java EE 8 can be used to implement the microservice architecture

MERN Quick Start Guide

Secure your web applications, RESTful services, and microservice architectures

Learn how to secure your Java applications from hackers using Spring Security

4.2 About This Book Architect solutions*

*that leverage the full power of Spring Security while remaining loosely coupled.**

Implement various scenarios such as

supporting existing user stores, user sign up, authentication, and supporting AJAX

requests, Integrate with popular*

Microservice and Cloud services such as

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Zookeeper, Eureka, and Consul, along with advanced techniques, including OAuth, JSON Web Token's (JWT), Hashing, and encryption algorithms

Who This Book Is For This book is intended for Java Web and/or RESTful webservice developers and assumes a basic understanding of creating Java 8, Java Web and/or RESTful webservice applications, XML, and the Spring Framework. You are not expected to have any previous experience with Spring Security.

*What You Will Learn**

- Understand common security vulnerabilities and how to resolve them*
- Learn to perform initial penetration testing to uncover common security vulnerabilities*
- Implement authentication and authorization*
- Learn to utilize existing corporate infrastructure such as LDAP, Active Directory, Kerberos, CAS, OpenID, and OAuth*
- Integrate with popular frameworks such as Spring, Spring-Boot, Spring-Data, JSF, Vaadin, jQuery, and AngularJS.*
- Gain deep understanding of the security challenges with RESTful webservices and microservice architectures*
- Integrate Spring with other security infrastructure components like LDAP, Apache Directory server and SAML

In Detail Knowing that experienced hackers are itching to test your skills makes security one of the most difficult and high-pressured concerns of creating an

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

application. The complexity of properly securing an application is compounded when you must also integrate this factor with existing code, new technologies, and other frameworks. Use this book to easily secure your Java application with the tried and trusted Spring Security framework, a powerful and highly customizable authentication and access-control framework. The book starts by integrating a variety of authentication mechanisms. It then demonstrates how to properly restrict access to your application. It also covers tips on integrating with some of the more popular web frameworks. An example of how Spring Security defends against session fixation, moves into concurrency control, and how you can utilize session management for administrative functions is also included. It concludes with advanced security scenarios for RESTful webservice and microservices, detailing the issues surrounding stateless authentication, and demonstrates a concise, step-by-step approach to solving those issues. And, by the end of the book, readers can rest assured that integrating version 4.2 of Spring Security will be a seamless endeavor from start to finish. Style and approach This practical step-by-step tutorial has plenty of example code

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

coupled with the necessary screenshots and clear narration so that grasping content is made easier and quicker.

Summary Spring in Action, 5th Edition is the fully updated revision of Manning's bestselling Spring in Action. This new edition includes all Spring 5.0 updates, along with new examples on reactive programming, Spring WebFlux, and microservices. You'll also find the latest Spring best practices, including Spring Boot for application setup and configuration. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Spring Framework makes life easier for Java developers. New features in Spring 5 bring its productivity-focused approach to microservices, reactive development, and other modern application designs. With Spring Boot now fully integrated, you can start even complex projects with minimal configuration code. And the upgraded WebFlux framework supports reactive apps right out of the box! About the Book Spring in Action, 5th Edition guides you through Spring's core features, explained in Craig Walls' famously clear style. You'll roll up your sleeves and build a secure database-backed web app step by

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

step. Along the way, you'll explore reactive programming, microservices, service discovery, RESTful APIs, deployment, and expert best practices. Whether you're just discovering Spring or leveling up to Spring 5.0, this Manning classic is your ticket! What's inside Building reactive applications Spring MVC for web apps and RESTful web services Securing applications with Spring Security Covers Spring 5.0 Over 100,000 copies sold! About the Reader For intermediate Java developers. About the Author Craig Walls is a principal software engineer at Pivotal, a popular author, an enthusiastic supporter of Spring Framework, and a frequent conference speaker. Table of Contents PART 1 - FOUNDATIONAL SPRING Getting started with Spring Developing web applications Working with data Securing Spring Working with configuration properties PART 2 - INTEGRATED SPRING Creating REST services Consuming REST services Sending messages asynchronously Integrating Spring PART 3 - REACTIVE SPRING Introducing Reactor Developing reactive APIs Persisting data reactively PART 4 CLOUD-NATIVE SPRING Discovering services Managing configuration Handling failure and latency PART 5 - DEPLOYED SPRING Working with Spring Boot Actuator

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Administering Spring Monitoring Spring with JMX Deploying Spring

As more people turn to assisted reproduction, the legal issues surrounding it have become increasingly complex.

Beyond representing patients or clinics, numerous legal problems are arising from the technology's application. Disputes in divorce are the most common, but this technology impacts the law in other areas, including personal injury, insurance, criminal law, and estate planning. Drawing from multiple legal sources, this book presents complex information in a direct, balanced and fair manner. It includes glossary, sample forms and checklists, and bibliography.

Cloud Native Spring in Action teaches you effective Spring and Kubernetes cloud development techniques that you can immediately apply to enterprise-grade applications. To really benefit from the reliability and scalability you get with cloud platforms, your applications need to be designed for that environment. Cloud Native Spring in Action is a practical guide for planning, designing, and building your first cloud native apps using the powerful, industry-standard Spring framework Cloud Native Spring in Action teaches you effective Spring and

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Kubernetes cloud development techniques that you can immediately apply to enterprise-grade applications. As you develop an online bookshop, you'll learn how to build and test a cloud native app with Spring, containerize it with Docker, and deploy it to the public cloud with Kubernetes. Including coverage of security, continuous delivery, and configuration, this hands-on guide is the perfect primer for navigating the increasingly complex cloud landscape. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Pivotal Certified Professional Core Spring 5 Developer Exam

A Lawyer's Guide to Emerging Law and Science

Enterprise Integration Patterns

Spring Security

Microservices with Spring Boot and Spring Cloud

*A Study Guide Using Spring Framework 5
Spring in Action*

JUnit in Action, Third Edition has been completely rewritten for this release. The book is full of examples that demonstrate JUnit's modern features, including its new architecture; nested,

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

tagged, and dynamic tests; and dependency injection. Summary JUnit is the gold standard for unit testing Java applications. Filled with powerful new features designed to automate software testing, JUnit 5 boosts your productivity and helps avoid debugging nightmares. Whether you're just starting with JUnit or you want to ramp up on the new features, JUnit in Action, Third Edition has you covered. Extensively revised with new code and new chapters, JUnit in Action, Third Edition is an up-to-date guide to smooth software testing. Dozens of hands-on examples illustrate JUnit 5's innovations for dependency injection, nested testing, parameterized tests, and more. Throughout, you'll learn how to use JUnit 5 to automate your testing, for a process that consumes less resources, and gives you more time for developing. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology The JUnit framework is the gold standard for unit testing Java applications—and knowing it is an essential skill for

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Java developers. The latest version, JUnit 5, is a total overhaul, now supporting modern Java features like Lambdas and Streams. About the book JUnit in Action, Third Edition has been completely rewritten for this release. The book is full of examples that demonstrate JUnit's modern features, including its new architecture; nested, tagged, and dynamic tests; and dependency injection. You'll benefit from author Catalin Tudose's unique "pyramid" testing strategy, which breaks the testing process into layers and sets you on the path to bug-free code creation. What's inside Migrating from JUnit 4 to 5 Effective test automation Test-driven development and behavior-driven development Using mocks for test isolation Connecting JUnit 5 with Maven or Gradle About the reader For intermediate Java developers. About the author Catalin Tudose has a Ph.D. in Computer Science, and over 15 years of experience as a Senior Java Developer and Technical Team Lead. Previous editions were authored by Petar Tahchiev, Felipe Leme, Gary Gregory, and Vincent Massol. Table of

Get Free Spring Security Third Edition Secure
Your Web Applications Restful Services And
Microservice Architectures

Contents PART 1 - JUNIT 1 JUnit jump-
start 2 Exploring core JUnit 3 JUnit
architecture 4 Migrating from JUnit 4
to JUnit 5 5 Software testing
principles PART 2 - DIFFERENT TESTING
STRATEGIES 6 Test quality 7 Coarse-
grained testing with stubs 8 Testing
with mock objects 9 In-container
testing PART 3 - WORKING WITH JUNIT 5
AND OTHER TOOLS 10 Running JUnit tests
from Maven 3 11 Running JUnit tests
from Gradle 6 12 JUnit 5 IDE support 13
Continuous integration with JUnit 5 PART
4 - WORKING WITH MODERN FRAMEWORKS AND
JUNIT 5 14 JUnit 5 extension model 15
Presentation-layer testing 16 Testing
Spring applications 17 Testing Spring
Boot applications 18 Testing a REST API
19 Testing database applications PART 5
- DEVELOPING APPLICATIONS WITH JUNIT 5
20 Test-driven development with JUnit 5
21 Behavior-driven development in JUnit
5 22 Implementing a test pyramid
strategy with JUnit 5
Build microservices-based enterprise
applications with the latest version of
Java EE Key Features Create
microservices in Spring and deploy them
with Docker and Mesos Examine a number

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

of real-world use cases and hands-on code examples Develop distributed applications based on microservices architecture Book Description Cloud-based applications have been increasingly in demand, and this has caused a shift from monolithic to microservice applications. With the help of Java EE 8 Microservices, you'll get to grips with the components of Java EE 8 and understand how they are used to implement microservices. This book explains how a monolithic application is transformed into a microservice application, then helps you connect it in a traditional way and use advanced approaches for asynchronous communication. Once you have learned the basics, you'll explore advanced topics to make your microservices robust, scalable, and secure. Microservices form distributed applications, and by the end of this book you'll have discovered how to develop, pack, ship, and support distributed applications using Java EE. What you will learn Build microservices from the ground up with Java EE 8 Implement and deploy microservices with

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Spring Boot Develop reactive pipelines for asynchronous communication Use caching mechanisms and JSON Web Token (JWT) to create scalable and secure microservices Empower microservices with the Micro Profile effort and implement health checks, fault tolerance, and monitoring mechanisms Use containers to build and deploy microservices Create contract-first documentation with Swagger and API Blueprint Who this book is for Java EE 8 Microservices is for Java EE developers keen to build microservice-based enterprise applications. Build and deploy secure Spring Framework and Spring Boot-based enterprise Java applications with the Spring Security Framework. This book explores a comprehensive set of functionalities to implement industry-standard authentication and authorization mechanisms for Java applications. Pro Spring Security, Second Edition has been updated to incorporate the changes in Spring Framework 5 and Spring Boot 2. It is an advanced tutorial and reference that guides you through the implementation

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

of the security features for a Java web application by presenting consistent examples built from the ground up. This book also provides you with a broader look into Spring security by including up-to-date use cases such as building a security layer for RESTful web services and Grails applications. What You Will Learn Explore the scope of security and how to use the Spring Security Framework Master Spring security architecture and design Secure the web tier in Spring Work with alternative authentication providers Take advantage of business objects and logic security Extend Spring security with other frameworks and languages Secure the service layer Who This Book Is For Experienced Spring and Java developers with prior experience in building Spring Framework or Boot-based applications.

Spring in Action introduces you to the ideas behind Spring and then quickly launches into a hands-on exploration of the framework. Combining short code snippets and an ongoing example developed throughout the book, it shows you how to build simple and efficient

Get Free Spring Security Third Edition Secure
Your Web Applications Restful Services And
Microservice Architectures

J2EE applications. You will see how to solve persistence problems using the leading open-source tools, and also how to integrate your application with the most popular web frameworks. You will learn how to use Spring to manage the bulk of your infrastructure code so you can focus on what really matters your critical business needs. Spring in Action has been completely updated to cover the exciting new features of Spring 2.0. The book begins by introducing you to the core concepts of Spring and then quickly launches into a hands-on exploration of the framework.

Part 1 - Spring Essentials
Part 2 - Spring in the Business Layer
Part 3 - Spring in the Web Layer

OAuth 2.0 Cookbook

Learn effective ways to secure your applications with Spring and Spring WebFlux

Secure You Oxygen Mask First
Microservices Best Practices for Java
JUnit in Action
Pro Spring Boot 2
A Guide to Building Dependable Distributed Systems

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Would you like to use a consistent visual notation for drawing integration solutions? "Look inside the front cover." Do you want to harness the power of asynchronous systems without getting caught in the pitfalls? "See "Thinking Asynchronously" in the Introduction." Do you want to know which style of application integration is best for your purposes? "See Chapter 2, Integration Styles." Do you want to learn techniques for processing messages concurrently? "See Chapter 10, Competing Consumers and Message Dispatcher." Do you want to learn how you can track asynchronous messages as they flow across distributed systems? "See Chapter 11, Message History and Message Store." Do you want to understand how a system designed using integration patterns can be implemented using Java Web services, .NET message queuing, and a TIBCO-based publish-subscribe architecture? "See Chapter 9, Interlude: Composed Messaging." Utilizing years of practical experience, seasoned experts Gregor Hohpe and Bobby Woolf show how asynchronous messaging has proven to be the best strategy for enterprise integration success. However, building and deploying messaging solutions presents a number of problems for developers. " Enterprise Integration Patterns " provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book. 0321200683B09122003

The MERN stack is a collection of great tools – MongoDB, ExpressJS, React, and Node – that provide a strong base for a developer to build easily maintainable web applications. With each of them a JavaScript or JavaScript-based technology, the shared programming language means it takes less time to develop web applications.

Since the publication of the second edition several United States jurisdictions have mandated consideration of inherently safer design for certain facilities. Notable examples are the inherently safer technology (IST) review requirement in the New Jersey Toxic Chemical Prevention Act (TCPA), and the Inherently Safer Systems Analysis (ISSA) required by the Contra Costa County (California) Industrial Safety Ordinance. More recently, similar requirements have been proposed at the U.S. Federal level in the pending EPA Risk Management Plan (RMP) revisions. Since the concept of inherently safer design applies globally, with its origins in the United Kingdom, the book will apply globally. The new edition builds on the same philosophy as the first two editions,

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

but further clarifies the concept with recent research, practitioner observations, added examples and industry methods, and discussions of security and regulatory issues. Inherently Safer Chemical Processes presents a holistic approach to making the development, manufacture, and use of chemicals safer. The main goal of this book is to help guide the future state of chemical process evolution by illustrating and emphasizing the merits of integrating inherently safer design process-related research, development, and design into a comprehensive process that balances safety, capital, and environmental concerns throughout the life cycle of the process. It discusses strategies of how to: substitute more benign chemicals at the development stage, minimize risk in the transportation of chemicals, use safer processing methods at the manufacturing stage, and decommission a manufacturing plant so that what is left behind does not endanger the public or environment. Pass the Pivotal Certified Professional exam for Core Spring, based on the latest Spring Framework 5, using source code examples, study summaries, and mock exams. This book now includes WebFlux, reactive programming, and more found in Spring 5. You'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Furthermore, in Pivotal Certified Professional Core Spring 5 Developer Exam, Second Edition, each chapter contains a brief study summary and question set, and the book's free downloadable source code package includes one mock exam (50 questions – like a real exam). After using this study guide, you will be ready to take and pass the Pivotal Certified Professional exam. When you become Pivotal Certified, you will have one of the most valuable

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

credentials in Java. Pivotal certification helps you advance your skills and your career, and get the maximum benefit from Spring. Passing the exam demonstrates your understanding of Spring and validates your familiarity with: container-basics, aspect oriented programming (AOP), data access and transactions, Spring Security, Spring Boot, microservices, and Spring model-view-controller (MVC). Good luck! What You Will Learn Understand the core principles of Spring Framework 5 Use dependency injection Work with aspects in Spring and do AOP (aspect oriented programming) Control transactional behavior and work with SQL and NoSQL databases Create and secure web applications based on Spring MVC Get to know the format of the exam and the type of questions in it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

A Pocket Handbook for Spring Framework, Spring Boot, and More

Spring Boot and Single-Page Applications

A Life Cycle Approach

Pro Spring Security

Spring Security 3

Secure Coding in C and C++

Build modern and scalable full stack applications using Spring Framework 5 and React with Hooks, 2nd Edition

Sale - Reg Price is 19.99\$ Learn to integrate your Spring Boot application with a single-page application securely in an actionable and hands-on approach within just a few hours! In this custom-tailored learning plan you get a head

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

start and learn 4 commonly used ways to integrate your Spring Boot backend with your single-page application and secure it. Revised second edition In just a few hours, you will know how to implement 4 different types of integration and are ready to make better decisions when applying these principles in your context. You've been there and done that already while other developers are still wading through hundreds of pages of a fluffy compendium and still having no clue of how to solve the problem. You learn best by coding. The way I love learning too. What you will build: We'll put a single-page application written in Angular 4 and Typescript as an Admin UI on top of the microservice built in my book "Spring Boot: How To Get Started and Build a Microservice". However, you do NOT need to know or own the other book.. We will extend it with a single operation which teaches how to implement Pagination and integrate it with a single-page application securely in 4 different ways. The focus is on the integration and security on the side of Spring Boot. It works with any other Javascript framework too as the concepts are the same. What you will learn: How to secure your API in Spring Boot 2.1.8 (Works with 1.5 too) How to use pagination for huge lists in your API How to protect your API with basic auth How to use Cross-Origin Resource Sharing (CORS) with Spring Boot How to implement JSON Web Tokens (JWT) in Spring Security How to use

Get Free Spring Security Third Edition Secure
Your Web Applications Restful Services And
Microservice Architectures

stateful authentication for your API and UI How to protect your application against Cross-Site-Request-Forgery (CSRF) How to make better decision when to use which integration type This book is for you when you have a basic understanding of Spring Boot and want to add a UI on top when you are new to single-page applications with Spring backends you read my Spring Boot starting book and want to continue learning It is NOT for you if you like reading fluffy compendiums you have not worked with Spring Boot (learn Spring Boot with my other book and come back) you don't know the Java language at all And if you have questions, do not hesitate to contact me using the email address at the end of the book. I am glad to help.

Quickly gain the insight necessary to address a multitude of Java-based Spring Framework and Spring Boot coding challenges using this succinct reference guide. Short, focused code examples will help you master many of the Spring elements such as AOP, data access, MVC for web development, security, web services/REST for microservices development, Batch for large data sets, and more. You'll also get a rundown of the increasingly popular Spring Boot microframework as well. You won't find any technical jargon, bloated samples, drawn out history lessons, or witty stories in this book. What you will find is a language reference that is concise, to the point, and highly accessible. The

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

book is packed with useful information and is a must-have for any Java programmer. What You Will Learn Discover the Spring Framework and its many sub-projects Work with the Spring Boot microframework Program with the Spring Boot framework to build Java-based microservices, native cloud applications, and more Use some of the lesser-known but still important frameworks and tools such as REST Docs, HATEOAS, Cloud, and more Leverage these Spring frameworks and tools for building your next Java-based cloud application Who This Book Is For Those with prior experience with Java who want a quick and handy reference to using Spring. /div

Soar into a breathtaking world of heroes and unicorns as you've never seen them before in this fantastical middle grade debut perfect for fans of the Percy Jackson and Eragon series! Skandar Smith has always yearned to leave the Mainland and escape to the secretive Island, where wild unicorns roam free. He's spent years studying for his Hatchery exam, the annual test that selects a handful of Mainlander thirteen-year-olds to train to become unicorn riders. But on the day of Skandar's exam, things go horribly wrong, and his hopes are shattered...until a mysterious figure knocks on his door at midnight, bearing a message: the Island is in peril and Skandar must answer its call. Skandar is thrust into a world of epic sky battles, dangerous clashes with wild unicorns, and rumors of a shadowy villain

amassing a unicorn army. And the closer Skandar grows to his newfound friends and community of riders, the harder it becomes to keep his secrets—especially when he discovers their lives may all be in graver danger than he ever imagined.

The things you need to do to set up a new software project can be daunting. First, you have to select the back-end framework to create your API, choose your database, set up security, and choose your build tool. Then you have to choose the tools to create your front end: select a UI framework, configure a build tool, set up Sass processing, configure your browser to auto-refresh when you make changes, and configure the client and server so they work in unison. If you're building a new application using Spring Boot and Angular, you can save days by using JHipster. JHipster generates a complete and modern web app, unifying:

- A high-performance and robust Java stack on the server side with Spring Boot*
- A sleek, modern, mobile-first front-end with Angular and Bootstrap*
- A robust microservice architecture with the JHipster Registry, Netflix OSS, the ELK stack, and Docker*
- A powerful workflow to build your application with Yeoman, Webpack, and Maven/Gradle*

*Build enterprise microservices with Spring Boot 2.0, Spring Cloud, and Angular, 3rd Edition
Spring In Action
Full Stack Development with Spring Boot and*

Get Free Spring Security Third Edition Secure
Your Web Applications Restful Services And
Microservice Architectures

React

*Designing, Building, and Deploying Messaging
Solutions*

*Professional Azure SQL Managed Database
Administration*

Spring Security 3.1

A Problem-Solution Approach

"The security of information systems has not improved at a rate consistent with the growth and sophistication of the attacks being made against them. To address this problem, we must improve the underlying strategies and techniques used to create our systems. Specifically, we must build security in from the start, rather than append it as an afterthought. That's the point of Secure Coding in C and C++. In careful detail, this book shows software developers how to build high-quality systems that are less vulnerable to costly and even catastrophic attack. It's a book that every developer should read before the start of any serious project." --Frank Abagnale, author, lecturer, and leading consultant on fraud prevention and secure documents Learn the Root Causes of Software Vulnerabilities and How to Avoid Them Commonly exploited software vulnerabilities are usually caused by avoidable software defects. Having analyzed nearly 18,000 vulnerability reports over the past ten years, the CERT/Coordination Center (CERT/CC) has determined that a relatively small number of root causes account for most of them. This book identifies and explains these causes and shows the steps that can be taken to prevent exploitation. Moreover, this book encourages programmers to adopt security best practices and

develop a security mindset that can help protect software from tomorrow's attacks, not just today's. Drawing on the CERT/CC's reports and conclusions, Robert Seacord systematically identifies the program errors most likely to lead to security breaches, shows how they can be exploited, reviews the potential consequences, and presents secure alternatives. Coverage includes technical detail on how to Improve the overall security of any C/C++ application Thwart buffer overflows and stack-smashing attacks that exploit insecure string manipulation logic Avoid vulnerabilities and security flaws resulting from the incorrect use of dynamic memory management functions Eliminate integer-related problems: integer overflows, sign errors, and truncation errors Correctly use formatted output functions without introducing format-string vulnerabilities Avoid I/O vulnerabilities, including race conditions Secure Coding in C and C++ presents hundreds of examples of secure code, insecure code, and exploits, implemented for Windows and Linux. If you're responsible for creating secure C or C++ software--or for keeping it safe--no other book offers you this much detailed, expert assistance.

Yes you can understand the Bible! Discovering the Miracle of the Scarlet Thread in Every Book of the Bible takes the mystery and confusion out of the Bible and makes God s Word come alive with new insights and a fresh excitement that will have you searching for more. Dr. Richard Booker unveils the mysteries and secrets of the Bible by explaining its master theme, and then reveals a simple plan so you can discover God s personal revelation for yourself. The author provides Exciting biblical background, An

interesting survey of each book in the Bible, Each book s master theme, Practical principles, forms, and guidelines for your own life-enriching Bible study. The sometimes hard-to-understand teachings of Jesus in their original culture and context come alive and become real through discovering the miracle of the scarlet thread. Then Jesus began to explain everything which had been written in the Scriptures about Him. Jesus started with the books of Moses and then He talked about what the prophets had written about Him (Luke 24:27 PEB). This book about the Bible will change the way you think about His Word His life-changing and eternal Word.

Full Stack Development with Spring Boot and React is a treasure trove of practical guidance for full stack mastery. The step-by-step exploration of everything from dependency injection, ORM with Hibernate, and JWTs to RESTful APIs, UI styling, and testing with Jest will help you to develop the Spring Boot and React skills that you need.

Microservices is an architectural style in which large, complex software applications are composed of one or more smaller services. Each of these microservices focuses on completing one task that represents a small business capability. These microservices can be developed in any programming language. This IBM® Redbooks® publication covers Microservices best practices for Java. It focuses on creating cloud native applications using the latest version of IBM WebSphere® Application Server Liberty, IBM Bluemix® and other Open Source Frameworks in the Microservices ecosystem to highlight Microservices best practices for Java.

Securing Your API with a Single-Page Application

Get Free Spring Security Third Edition Secure
Your Web Applications Restful Services And
Microservice Architectures

Frontend Second Edition

Cloud Native Spring in Action

Skandar and the Unicorn Thief

Spring 5 Recipes

Spring Security - Third Edition

Guidelines for Inherently Safer Chemical Processes

OAuth 2 in Action

Summary OAuth 2 in Action teaches you the practical use and deployment of this HTTP-based protocol from the perspectives of a client, authorization server, and resource server. You'll learn how to confidently and securely build and deploy OAuth on both the client and server sides. Foreword by Ian Glazer.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Think of OAuth 2 as the web version of a valet key. It is an HTTP-based security protocol that allows users of a service to enable applications to use that service on their behalf without handing over full control. And OAuth is used everywhere, from Facebook and Google, to startups and cloud services. About the Book OAuth 2 in Action teaches you practical use and deployment of OAuth 2 from the perspectives of a client, an authorization server, and a resource server.

You'll begin with an overview of OAuth and its components and interactions. Next, you'll get hands-on and build an OAuth client, an authorization server, and a protected resource. Then you'll dig into tokens, dynamic client registration, and more advanced topics. By the end, you'll be able to confidently and securely build and deploy OAuth on both the client and server sides. What's Inside Covers OAuth 2 protocol and design Authorization with OAuth 2 OpenID Connect and User-Managed Access Implementation risks JOSE, introspection,

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

revocation, and registration Protecting and accessing REST APIs About the Reader Readers need basic programming skills and knowledge of HTTP and JSON. About the Author Justin Richer is a systems architect and software engineer. Antonio Sanso is a security software engineer and a security researcher.

Both authors contribute to open standards and open source.

Table of Contents Part 1 - First steps What is OAuth 2.0 and why should you care? The OAuth dance Part 2 - Building an OAuth 2 environment Building a simple OAuth client Building a simple OAuth protected resource Building a simple OAuth authorization server OAuth 2.0 in the real world Part 3 - OAuth 2 implementation and vulnerabilities Common client vulnerabilities Common protected resources vulnerabilities Common authorization server vulnerabilities Common OAuth token vulnerabilities Part 4 - Taking OAuth further OAuth tokens Dynamic client registration User authentication with OAuth 2.0 Protocols and profiles using OAuth 2.0 Beyond bearer tokens Summary and conclusions

Security is a key element in the development of any non-trivial application. The Spring Security Framework provides a comprehensive set of functionalities to implement industry-standard authentication and authorization mechanisms for Java applications. Pro Spring Security will be a reference and advanced tutorial that will do the following: Guides you through the implementation of the security features for a Java web application by presenting consistent examples built from the ground-up. Demonstrates the different authentication and authorization methods to secure enterprise-level applications by using the Spring Security Framework. Provides you with a broader look into Spring security by including up-to-date use cases such as building a security layer for RESTful web

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

services and Grails applications.

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.

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Passwords are not the problem. The management of passwords is the real security nightmare. User authentication is the most ignored risk to enterprise cybersecurity. When end users are allowed to generate, know, remember, type and manage their own passwords, IT has inadvertently surrendered the job title Network Security Manager to employees - the weakest link in the cybersecurity chain. Dovell Bonnett reveals the truth about the elephant in the room that no one wants to mention:

Expensive backend security is worthless when the virtual front door has a lousy lock! Dovell proves that making passwords secure is not only possible, passwords can actually become an effective, cost efficient and user friendly feature of robust cybersecurity. After examining how encryption keys are secured, this book introduces a new strategy called Password Authentication Infrastructure (PAI) that rivals digital certificates. Passwords are not going away. What needs to be fixed is how passwords are managed.

Build modern and scalable full stack applications using the power of Spring Boot and React, 3rd Edition

Java EE 8 Microservices

Encyclopedia of Toxicology

Build seven web development projects with Spring MVC, Angular 6, JHipster, WebFlux, and Spring Boot 2

Mastering Microservices with Java

Fixing the Weakest Link in Cybersecurity

Hands-On Full Stack Development with Spring Boot 2 and React

Now that there's software in everything, how can you make anything secure? Understand how to engineer dependable systems with this newly updated classic In Security Engineering: A Guide to Building Dependable

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Distributed Systems, Third Edition Cambridge University professor Ross Anderson updates his classic textbook and teaches readers how to design, implement, and test systems to withstand both error and attack. This book became a best-seller in 2001 and helped establish the discipline of security engineering. By the second edition in 2008, underground dark markets had let the bad guys specialize and scale up; attacks were increasingly on users rather than on technology. The book repeated its success by showing how security engineers can focus on usability. Now the third edition brings it up to date for 2020. As people now go online from phones more than laptops, most servers are in the cloud, online advertising drives the Internet and social networks have taken over much human interaction, many patterns of crime and abuse are the same, but the methods have evolved. Ross Anderson explores what security engineering means in 2020, including: How the basic elements of cryptography, protocols, and access control translate to the new world of phones, cloud services, social media and the Internet of Things Who the attackers are - from nation states and business competitors through criminal gangs to stalkers and playground bullies What they do - from phishing and carding through SIM swapping and software exploits to DDoS and fake news Security psychology, from privacy through ease-of-use to deception The economics of security and dependability - why companies build vulnerable systems and governments look the other way How dozens of industries went online - well or badly How to

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

manage security and safety engineering in a world of agile development - from reliability engineering to DevSecOps The third edition of Security Engineering ends with a grand challenge: sustainable security. As we build ever more software and connectivity into safety-critical durable goods like cars and medical devices, how do we design systems we can maintain and defend for decades? Or will everything in the world need monthly software upgrades, and become unsafe once they stop?

A comprehensive guide to building full stack applications covering frontend and server-side programming, data management, and web security Key Features Unleash the power of React Hooks to build interactive and complex user interfaces Build scalable full stack applications designed to meet demands of modern users Understand how the Axios library simplifies CRUD operations Book Description React Hooks have changed the way React components are coded. They enable you to write components in a more intuitive way without using classes, which makes your code easier to read and maintain. Building on from the previous edition, this book is updated with React Hooks and the latest changes introduced in create-react-app and Spring Boot 2.1. This book starts with a brief introduction to Spring Boot. You'll understand how to use dependency injection and work with the data access layer of Spring using Hibernate as the ORM tool. You'll then learn how to build your own RESTful API endpoints for web applications. As you advance, the book introduces you to other Spring components, such

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

as Spring Security to help you secure the backend.

Moving on, you'll explore React and its app development environment and components for building your frontend. Finally, you'll create a Docker container for your application by implementing the best practices that underpin professional full stack web development. By the end of this book, you'll be equipped with all the knowledge you need to build modern full stack applications with Spring Boot for the backend and React for the frontend. What you will learn Create a RESTful web service with Spring Boot Grasp the fundamentals of dependency injection and how to use it for backend development Discover techniques for securing the backend using Spring Security Understand how to use React for frontend programming Benefit from the Heroku cloud server by deploying your application to it Delve into the techniques for creating unit tests using JUnit Explore the Material UI component library to make more user-friendly user interfaces Who this book is for If you are a Java developer familiar with Spring, but are new to building full stack applications, this is the book for you.

Microservices are the next big thing in designing scalable, easy-to-maintain applications. This latest edition of *Mastering Microservices with Java*, works on Java 11. It covers a wide range of exciting, new developments in the world of microservices such as microservices patterns, interprocess communication with gRPC, and service orchestration.

Learn how to secure your Java applications from hackers using Spring Security 4.2 About This Book

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

Architect solutions that leverage the full power of Spring Security while remaining loosely coupled. Implement various scenarios such as supporting existing user stores, user sign up, authentication, and supporting AJAX requests, Integrate with popular Microservice and Cloud services such as Zookeeper, Eureka, and Consul, along with advanced techniques, including OAuth, JSON Web Token's (JWT), Hashing, and encryption algorithms Who This Book Is For This book is intended for Java Web and/or RESTful webservice developers and assumes a basic understanding of creating Java 8, Java Web and/or RESTful webservice applications, XML, and the Spring Framework. You are not expected to have any previous experience with Spring Security. What You Will Learn Understand common security vulnerabilities and how to resolve them Learn to perform initial penetration testing to uncover common security vulnerabilities Implement authentication and authorization Learn to utilize existing corporate infrastructure such as LDAP, Active Directory, Kerberos, CAS, OpenID, and OAuth Integrate with popular frameworks such as Spring, Spring-Boot, Spring-Data, JSF, Vaadin, jQuery, and AngularJS. Gain deep understanding of the security challenges with RESTful webservices and microservice architectures Integrate Spring with other security infrastructure components like LDAP, Apache Directory server and SAML In Detail Knowing that experienced hackers are itching to test your skills makes security one of the most difficult and high-pressured concerns of creating an application. The complexity of properly securing an

Get Free Spring Security Third Edition Secure Your Web Applications Restful Services And Microservice Architectures

application is compounded when you must also integrate this factor with existing code, new technologies, and other frameworks. Use this book to easily secure your Java application with the tried and trusted Spring Security framework, a powerful and highly customizable authentication and access-control framework. The book starts by integrating a variety of authentication mechanisms. It then demonstrates how to properly restrict access to your application. It also covers tips on integrating with some of the more popular web frameworks. An example of how Spring Security defends against session fixation, moves into concurrency control, and how you can utilize session management for administrative functions is also included. It concludes with advanced security scenarios for RESTful webservices and microservices, detailing the issues surrounding stateless authentication, and demonstrates a concise, step-by-step approach to solving those issues. And, by the end of the book, readers can rest assured that integrating version 4.2 of Spring Security will be a seamless endeavor from start to finish. Style and approach This practical step-by-step tutorial has plenty of example code coupled with the necessary screenshots and clear narration so that grasping content is made easier and quicker.