

Cloud Cave Technologies

Spring Boot – Syllabus

Satyanna Kodimala

Java full stack and python full stack trainer

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Chapter1: Introduction to Spring Boot

1. Creating spring Boot using Spring Initializer
2. Creating SpringBoot application using STS

Chapter2. Spring Boot Core

1. Spring Boot runners
2. Spring Boot starter class
3. Spring Boot input data
 - i. Using properties file
 - ii. Using yaml file
 - iii. Locations of properties files
4. POM.xml(Maven Process)
 - i. Dependency scopes

Chapter3: Spring Boot Data JPA

1. Introduction
2. Repository interface
3. Query method
4. Select and non-select operations
5. Projections
6. Using NoSql database(MongoDb)

Chapter4: Spring Boot Web-MVC

1. Introduction & MVC architecture
2. Model & Model Map
3. View Layer as JSP(UI)
4. Dev tools
5. View layer as Thymleaf(UI)
6. Cache management
7. Pagination
8. Lombok
9. Logging(SLF4J)

Chapter5: Spring Boot Email

1. Introduction
2. Email configuration

Chapter6: Spring Boot Batch Processing

1. Introduction
2. Batch processing: Converting .csv file data to DB table

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Chapter7: Spring Boot Rest (provider & consumer)

1. Introduction
2. Passing input to Rest Controller
3. Method return type
4. Using postman

Chapter8: SPRING BOOT WEB SECURITY

1. Spring Web MVC Security Architecture and components
2. Understanding the components of Spring Web MVC Security
3. Implementing Spring Boot Web Security with Annotation Approach
 - i. Basic Authentication
 - ii. Form Authentication
 - iii. Database Authentication

Note: Project on creating end-to-end application