MASTER MICROSERVICE WITH SPRING BOOT AND SPRING CLOUD

D'Code
Innovation Labs

This course will cover all the topics which are most important for technical interviews. At the end of every topic questions based on the topic will be shared and solved.

by D'CODE Innovation Lab

1 WEB SERVICE

- Introduction to Webservice
- Key Terminologies
- RESTful web service
- REST Resource Design
- HTTP Fundamentals
- HATEOS
- Bestpractices and Implementation with Spring Boot
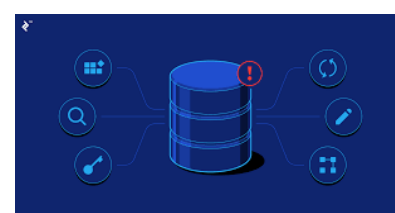
Java

2 SPRING BOOT

- Spring Basics
- Spring Core concepts
- REST API Development
- Spring Boot + JPA/Hibernate
- Spring Boot Configuration and Externalization
- Spring Boot Security
- Exception Handling
- Spring Boot Testing
- Spring Boot Actuator & Monitoring
- Spring Boot Performance and Best Practices
- Reactive Programing
- Messaging Integration - Kafka/RabbitMQ
- Deployment and DevOps

spring boot

Maven™

3 DATA STRUCTURES

- Introduction to Data Structure
- Big O Notation
- Essential Concept
- Memory and Logarithm
- Array
- Recursion
- Linked List
- Stack
- Queue
- Hash tables
- Trees
- Heaps
- Tries
- Graphs
- Searching Algorithm
- Sorting Algorithm
- Dynamic Programming

Spring Tool Suite | 4

JAVA - SPRING BOOT

D'Code
Innovation Labs

This course will cover all the topics which are most important for technical interviews. At the end of every topic questions based on the topic will be shared and solved.

by D'CODE Innovation Lab

4 SPRING CLOUD

- Introduction to the course
- Introduction to Microservices
- Microservice Design Patterns
- Service Discovery (Eureka Server & Client)
- Centralized Configuration (Config Server & Client)
- Client Side load balancing (Open Feign)
- API Gateway (Spring Cloud Gateway)
- Fault Tolerance & Resilience (Resilience4j)
- Distributed Tracing and Monitoring
- Messaging & Event-Driven Architecture
- Security in Spring Cloud

Java

spring boot

5 DEPLOYMENT AND DEVOPS

- Docker
- Docker Compose
- Deployment
- Cloud ready configuration
- Kubernetes

Spring Cloud