

Spring Microservices In-Depth Short Course

40 · R19,995

Master the architecture and patterns of enterprise-scale microservices. This advanced course takes experienced Spring Boot developers through the complete microservices ecosyste...

40

Hours of Training

R19,995

Course Fee

5 Days

Full-Time Option

JHB · CPT

+ Online Nationwide

COURSE CURRICULUM

What You'll Learn

Microservices Fundamentals & Architecture

Monolith vs microservices, domain-driven design, service granularity, the twelve-factor app metho...

Spring Cloud Configuration Management

Spring Cloud Config Server, externalized configuration, environment-specific profiles, centralize...

Eureka Service Discovery

Service registration, dynamic discovery, client-side load balancing, heartbeats and health checks...

Advanced Resilience Patterns

Circuit breakers with Resilience4j, retry logic with exponential backoff, bulkhead isolation, tim...

Service Mesh Architecture

Istio service mesh, sidecar proxies, traffic management, automatic mutual TLS, policy enforcement...

Docker Containerization & Orchestration

Dockerfile best practices, multi-stage builds, container registries, Kubernetes deployments, roll...

Event-Driven Architecture with Kafka

Topics and partitions, consumer groups, Spring Cloud Stream abstraction, event replay, deferred w...

Distributed Tracing with Zipkin

Spring Cloud Sleuth, trace IDs and span IDs, baggage propagation, request path visualization, per...

Security in Distributed Systems

OAuth2 authorization flows, JWT tokens, single sign-on across microservices, role-based access co...

Monitoring & Observability

Spring Boot Actuator, Prometheus metrics, Grafana dashboards, alerting rules, health checks and d...

API Gateway Patterns

Spring Cloud Gateway, request routing, load balancing, rate limiting, authentication at the gatew...

Capstone Project: Complete Microservices System

Build, deploy, and monitor a multi-service system integrating all patterns learned. Production-re...

WHAT TO EXPECT

Your Learning Experience



Expert-Led Training

Taught by experienced bootcamp instructors with 30+ years of combined industry experience.



Hands-On Projects

You write code from day one. Every concept is reinforced with real exercises and a practical project you keep.



Johannesburg & Cape Town

Attend in-person at our Woodmead (JHB) or Cape Town campus, or join 100% online from anywhere.



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