Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

JAVA

Java Microservices

SAMPLE PROJECT

Order and Stock Services



COURSE FEE

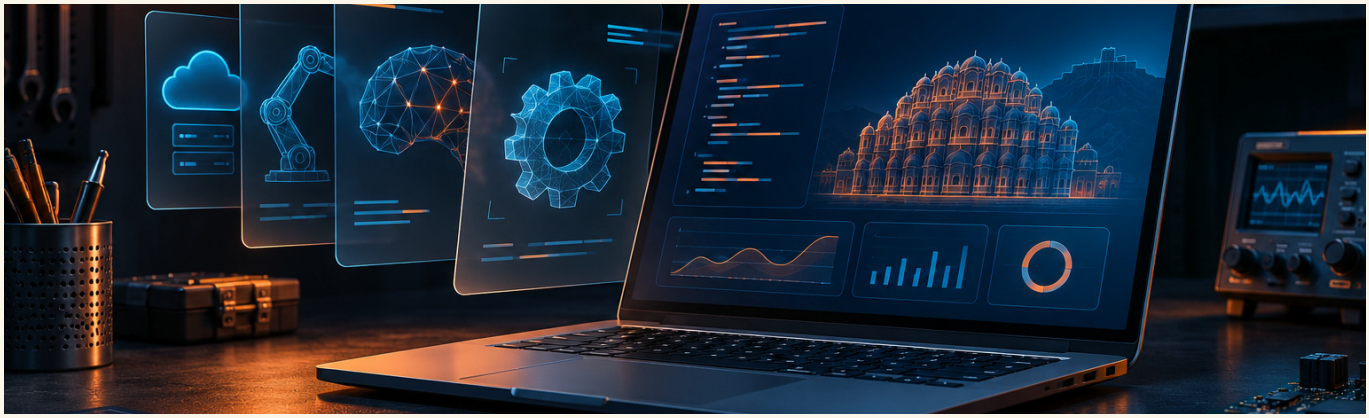
Fee on enquiry

JAIPUR, RAJASTHAN

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Java Microservices

Core concepts



01 Service boundaries and contract design

02 REST communication and service configuration

03 Gateways, discovery and resilience concepts

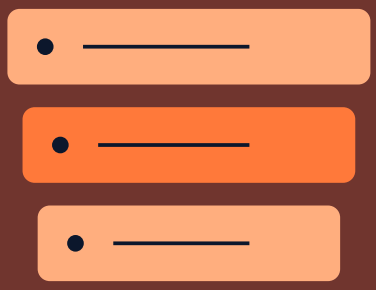
Model the domain

Identify data, actions and boundaries before writing the first class.

Java Microservices

Applied skills

- **Model**
- **Execute**
- **Verify result**



04 Data ownership, events and consistency basics

05 Logs, metrics and trace correlation

06 Contract testing and container deployment

PROJECT DELIVERABLES

A runnable Java project, test results and notes on design and error handling.

Java Microservices

Portfolio project

Order and Stock Services

Create two Spring Boot services and verify how the order flow handles a stock-service timeout.



Model the domain

Identify data, actions and boundaries before writing the first class.

Check a failure

Write a test for a rejected operation and confirm the data stays consistent.

A runnable Java project, test results and notes on design and error handling.

Java Microservices

Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

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122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Java Microservices

Course content

MODULES 01–02

01

Lessons & practice

- Service boundaries
- Contract design

HANDS-ON

Define service boundaries and write a contract for an order lookup.

02

Lessons & practice

- REST communication
- Service configuration

HANDS-ON

Connect two practice services with configuration and structured REST errors.

Java Microservices

Course content

MODULES 03–04

03

Lessons & practice

- Gateways
- Discovery
- Resilience concepts

HANDS-ON

Test timeout handling and document how a gateway or discovery component would fit.

04

Lessons & practice

- Data ownership
- Events
- Consistency basics

HANDS-ON

Publish an order status event and explain which service owns each field.

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Course content

MODULES 05–06

05

Lessons & practice

- Logs
- Metrics
- Trace correlation

HANDS-ON Correlate logs across two services using a shared request identifier.

06

Lessons & practice

- Contract testing
- Container deployment

HANDS-ON Run a contract test and package both services for local container deployment.