Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

Java Backend Development

SAMPLE PROJECT

Order Processing Backend



JAVA BACKEND PATHWAY

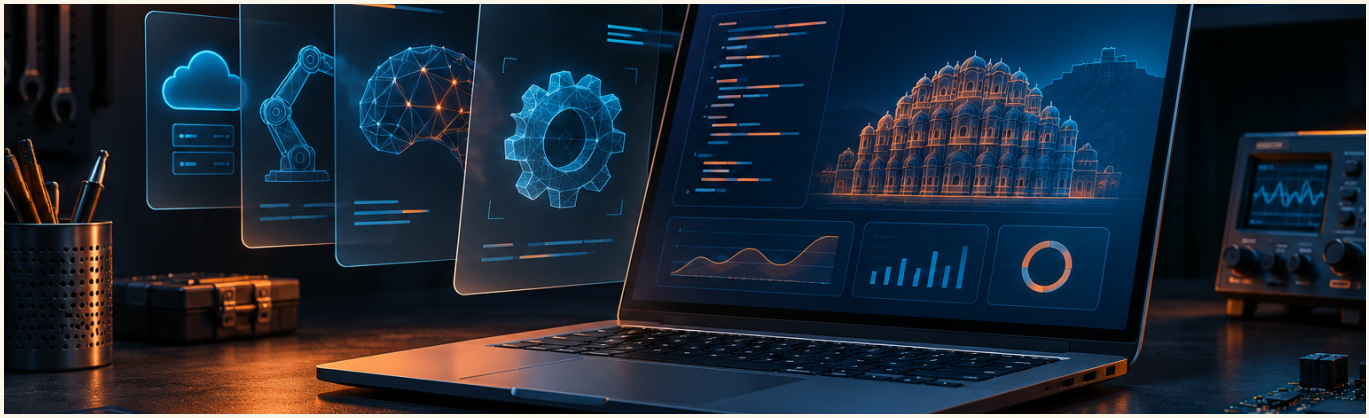
₹22,500

JAIPUR, RAJASTHAN

+91 70146 92039

Java Backend Development

Core concepts



01

Core Java, JVM, OOP and collections

02

Exceptions, generics, streams and file I/O

03

JDBC, SQL, Servlets and JSP

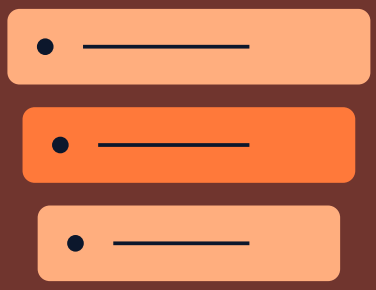
Model the domain

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

Java Backend Development

Applied skills

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



04 Spring Boot REST controllers and services

05 Hibernate/JPA relationships and transactions

06 API tests, deployment and interview preparation

PROJECT DELIVERABLES

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

Java Backend Development

Portfolio project

Order Processing Backend

Build an order service that validates requests, persists orders and rolls back a failed stock update.

ILLUSTRATIVE PROJECT SKETCH

SCENARIO		EXPECTED EVIDENCE
01>	**Model**	Sample input or fixture
02>	**Execute**	Record the observed result
03>	**Verify result**	Compare against expectations

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 Backend Development

Course fees

JAVA BACKEND PATHWAY

₹22,500

MODULE FEES INR

Core Java / Java Programming	**₹6,500**
Advanced Java (Servlets & JSP)	**₹8,000**
Spring Framework & Hibernate	**₹8,000**

Contact admissions for class timings and enrolment details.

ADMISSIONS

+91 70146 92039

info@jaipurengineers.com

122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Java Backend Development

Course content

MODULES 01–02

01

Lessons & practice

- Core Java
- JVM
- OOP
- Collections

HANDS-ON

Represent orders in Java with object-oriented rules and collections.

02

Lessons & practice

- Exceptions
- Generics
- Streams
- File I/O

HANDS-ON

Load orders from a file and group them with streams while handling invalid values.

Java Backend Development

Course content

MODULES 03–04

03

Lessons & practice

- JDBC
- SQL
- Servlets
- JSP

HANDS-ON Use JDBC and SQL for persistence and trace a simple Servlet/JSP request.

04

Lessons & practice

- Spring Boot REST controllers
- Services

HANDS-ON Build and validate a Spring Boot order endpoint and service.

Java Backend Development

Course content

MODULES 05–06

05

Lessons & practice

- Hibernate/JPA relationships
- Transactions

HANDS-ON

Map order entities with Hibernate and verify rollback after a failed stock update.

06

Lessons & practice

- API tests
- Deployment
- Interview preparation

HANDS-ON

Run API tests and present a request walkthrough with deployment notes.