Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

Java REST API

SAMPLE PROJECT

Training Events API



COURSE FEE

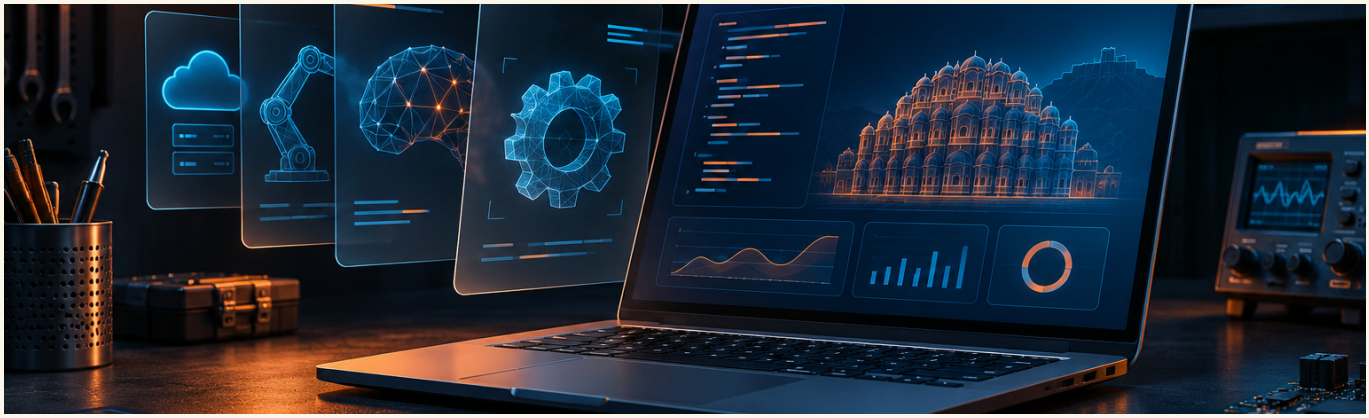
Fee on enquiry

JAIPUR, RAJASTHAN

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Java REST API

Core concepts



01

HTTP methods, status codes and resource design

02

Spring controllers, DTOs and serialization

03

Validation, pagination and error responses

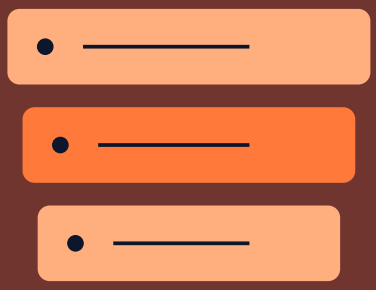
Model the domain

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

Java REST API

Applied skills

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



04 Service and database layer integration

05 API access controls and OpenAPI documentation

06 Contract tests, versioning and build packaging

PROJECT DELIVERABLES

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

Java REST API

Portfolio project

Training Events API

Design event and registration resources, validate requests and document the API for a client.

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 REST API

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 REST API

Course content

MODULES 01–02

01

Lessons & practice

- HTTP methods
- Status codes
- Resource design

HANDS-ON Design a resource collection with methods, status codes and consistent URLs.

02

Lessons & practice

- Spring controllers
- DTOs
- Serialization

HANDS-ON Create a typed request and response DTO and check the JSON output.

Java REST API

Course content

MODULES 03–04

03

Lessons & practice

- Validation
- Pagination
- Error responses

HANDS-ON Validate a request and verify pagination and structured error fields.

04

Lessons & practice

- Service
- Database layer integration

HANDS-ON Trace a request from controller through business logic to the database.

Java REST API

Course content

MODULES 05–06

05

Lessons & practice

- API access controls
- OpenAPI documentation

HANDS-ON

Document endpoint permissions and generate an OpenAPI description for a client.

06

Lessons & practice

- Contract tests
- Versioning
- Build packaging

HANDS-ON

Run contract tests and document a compatible versioning and packaging plan.