Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

Helidon

SAMPLE PROJECT

Service Health Dashboard API



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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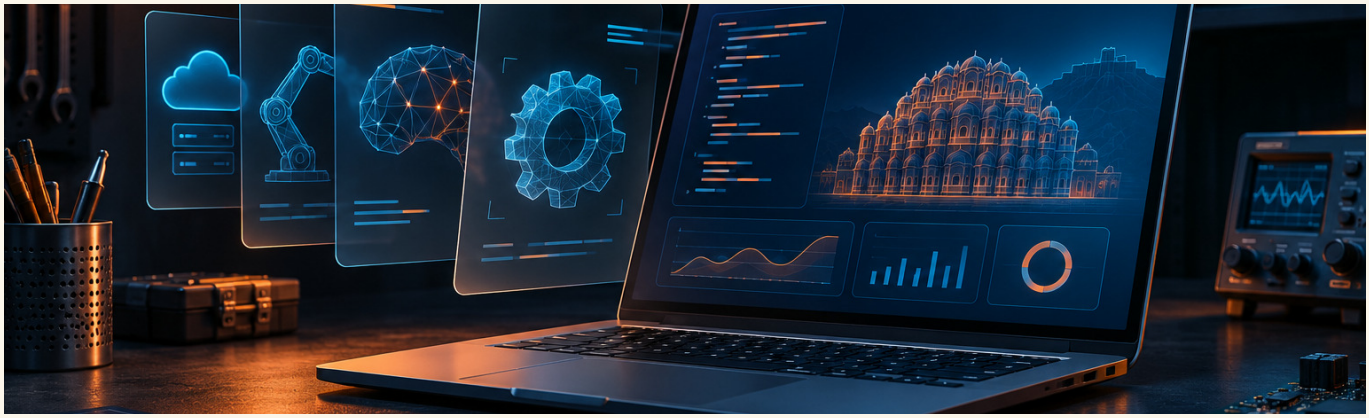
Core concepts



01 Helidon SE and MP service models

02 Routing, configuration and JSON endpoints

03 Dependency injection and persistence integration

Model the domain

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

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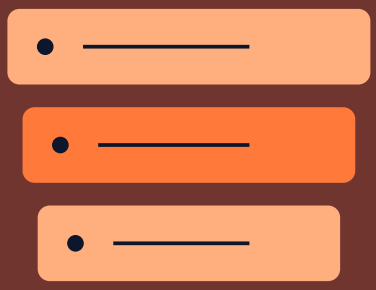
Applied skills

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



04 Health checks, metrics and OpenAPI basics

05 Error handling and integration tests

06 Container builds and runtime configuration

PROJECT DELIVERABLES

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

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Portfolio project

Service Health Dashboard API

Build a Helidon service that reads example records and exposes health and metrics endpoints.



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.

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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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SCAN FOR MAP

Check course details

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Course content

MODULES 01–02

01

Lessons & practice

- Helidon SE
- MP service models

HANDS-ON

Compare how Helidon SE and MP organise a minimal endpoint and configuration.

02

Lessons & practice

- Routing
- Configuration
- JSON endpoints

HANDS-ON

Build a JSON endpoint that reads a runtime setting and validates input.

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MODULES 03–04

03

Lessons & practice

- Dependency injection
- Persistence integration

HANDS-ON Connect a practice service to a persistence layer through a clear interface.

04

Lessons & practice

- Health checks
- Metrics
- OpenAPI basics

HANDS-ON Add a health check and document one endpoint and its response schema.

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MODULES 05–06

05

Lessons & practice

- Error handling
- Integration tests

HANDS-ON Test a successful route and a validation error and inspect the resulting logs.

06

Lessons & practice

- Container builds
- Runtime configuration

HANDS-ON Build a container image and verify the service starts with supplied settings.