Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

Big Data with Java

SAMPLE PROJECT

Daily Event Aggregator



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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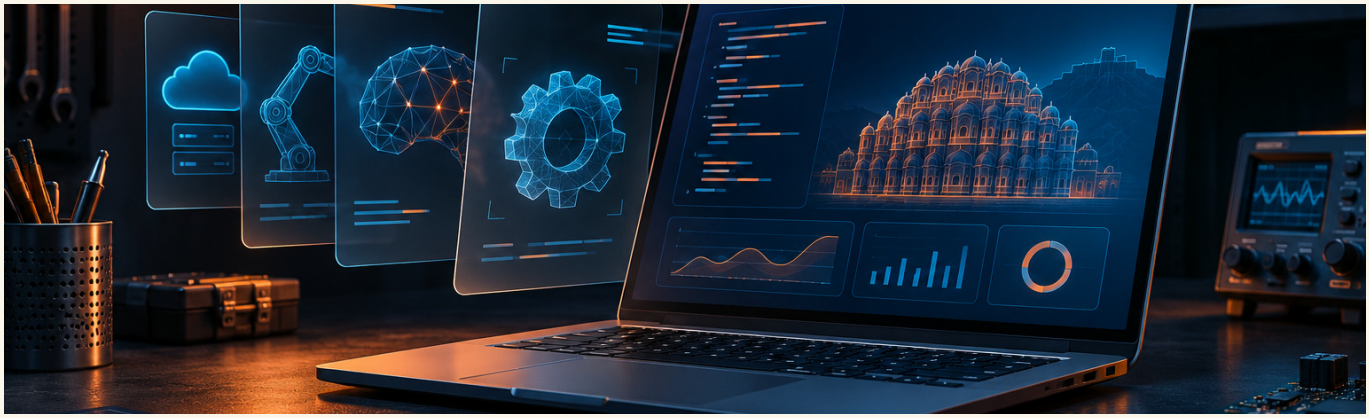
Big Data with Java

Core concepts



01 Distributed data and batch architecture

02 Java serialization and structured data formats

03 HDFS storage and MapReduce processing

Model the domain

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

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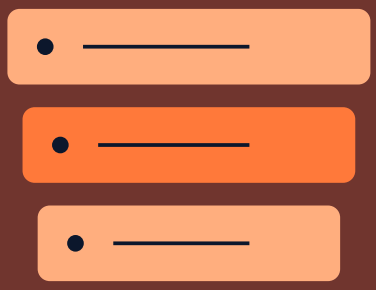
Applied skills

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



04 Spark transformations and dataset operations

05 Partitioning, skew and processing reliability

06 Result validation, logging and performance review

PROJECT DELIVERABLES

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

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Portfolio project

Daily Event Aggregator

Transform batches of Java-readable event records into partitioned daily counts and verify the output.



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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122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Big Data with Java

Course content

MODULES 01–02

01

Lessons & practice

- Distributed data
- Batch architecture

HANDS-ON

Identify stages in a batch pipeline and sketch how records are distributed.

02

Lessons & practice

- Java serialization
- Structured data formats

HANDS-ON

Convert a sample event row into a typed record and validate malformed input.

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Course content

MODULES 03–04

03

Lessons & practice

- HDFS storage
- MapReduce processing

HANDS-ON Run a small MapReduce job and compare outputs with known event counts.

04

Lessons & practice

- Spark transformations
- Dataset operations

HANDS-ON Transform a Spark dataset and aggregate daily totals for a sample input.

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Course content

MODULES 05–06

05

Lessons & practice

- Partitioning
- Skew
- Processing reliability

HANDS-ON

Compare partitions, identify uneven distribution and explain the reliability impact.

06

Lessons & practice

- Result validation
- Logging
- Performance review

HANDS-ON

Verify aggregate results and use logs to explain one performance finding.