Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

WEB DEVELOPMENT

Node.js

SAMPLE PROJECT

Book Catalogue API

ex



NODE.JS BACKEND TRACK

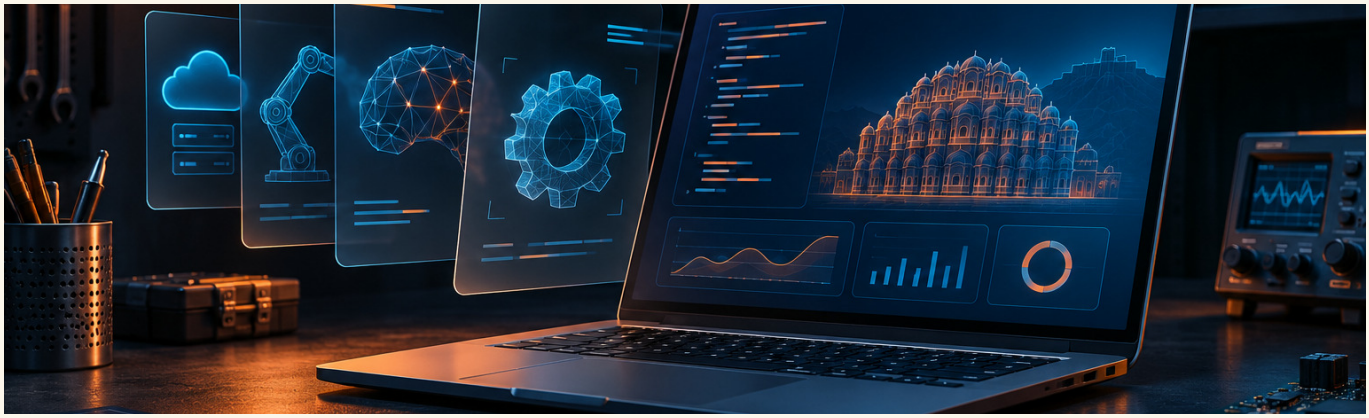
₹8,500

JAIPUR, RAJASTHAN

+91 70146 92039

Node.js

Core concepts



01	Node.js runtime, npm, modules and event loop
02	Promises, async/await and filesystem basics
03	Express routes, controllers and middleware

Sketch the states

Plan normal, loading, empty and error states for the demo.

Node.js

Applied skills

- **Interface**
- **Interactions**
- **Response states**



04 REST resources, validation and error handling

05 Database integration, authentication and configuration

06 API tests, logging and deployment

PROJECT DELIVERABLES

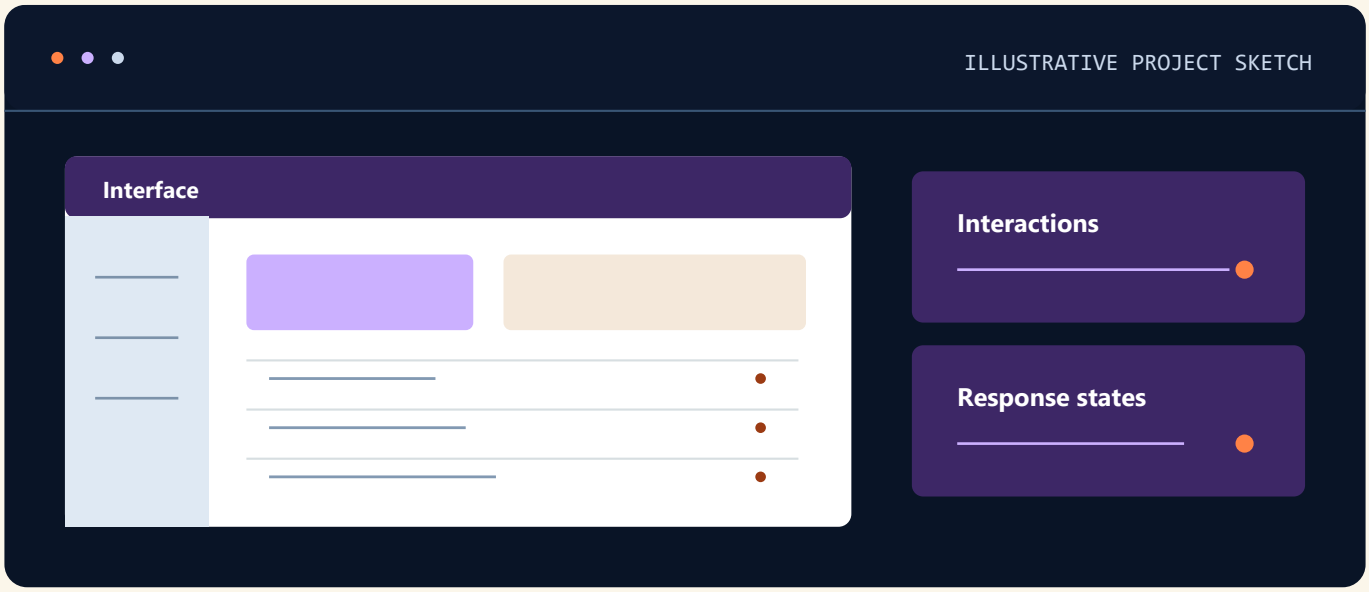
A working demo, test cases and notes on how the interface or service is organised.

Node.js

Portfolio project

Book Catalogue API

Build an Express API that validates records, persists catalogue changes and returns consistent errors.



Sketch the states

Plan normal, loading, empty and error states for the demo.

Test the interface

Check the main workflow and record how it handles an invalid input.

A working demo, test cases and notes on how the interface or service is organised.

Node.js

Course fees

NODE.JS BACKEND TRACK

₹8,500

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

Node.js

Course content

MODULES 01–02

01

Lessons & practice

- Node.js runtime
- Npm
- Modules
- Event loop

HANDS-ON

Create a Node.js project and compare synchronous output with an asynchronous callback.

02

Lessons & practice

- Promises
- Async/await
- Filesystem basics

HANDS-ON

Read a JSON file asynchronously and return useful feedback if it is missing.

Node.js

Course content

MODULES 03–04

03

Lessons & practice

- Express routes
- Controllers
- Middleware

HANDS-ON

Separate a catalogue feature into an Express router, controller and middleware.

04

Lessons & practice

- REST resources
- Validation
- Error handling

HANDS-ON

Test a resource creation endpoint with valid and invalid payloads.

Node.js

Course content

MODULES 05–06

05

Lessons & practice

- Database integration
- Authentication
- Configuration

HANDS-ON Connect the API to persistent storage and check a restricted action.

06

Lessons & practice

- API tests
- Logging
- Deployment

HANDS-ON Run API tests, inspect a request log and document environment settings.