Nabyendu Ojha

Java Backend Developer

Software Developer with over 3 years of experience in backend development using Java and Spring Boot. Experienced in developing RESTful APIs, handling exceptions and implementing Spring Security. Passionate about DSA and problem-solving. Possess foundational understanding of frontend development, including experience with React and its core concepts.

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Portfolio: nojha.in/

LinkedIn: linkedin.com/in/nabyendu-ojha/

GitHub: github.com/drikonmyar/

LeetCode: leetcode.com/u/nojha99/

WORK EXPERIENCE

Infosys Limited | Senior System Engineer   Dec 2021 - Present

Cargo Flow Management System

Description: A web based application designed to streamline cargo shipping operations by enabling customers to book containers, track shipments and manage freight logistics efficiently.

Responsibilities:
- Developed REST endpoints to fetch and update voyage details from excel sheet into UI dashboard, enabling the client to create and edit voyages, also created endpoints to book voyages, enabling customers to book containers based on availability
- Created web services for user management, token based authentication and role assignment to users
- Scheduled Spring Batch jobs for periodic database update to implement schedule-send feature
- Written unit test cases for the application using Mockito maintaining test coverage above 80%
- Used Jenkins to build microservices and worked on version control for JAR files
- Resolved bugs and issues identified by SonarQube, ensuring code quality and reliability
- Documented the APIs using Swagger and integrated into the code
- Deployed the application into DEV, QUA, UAT and PRE environment using XL Deploy
- Worked on Rancher to monitor logs and maintain configuration at different environments
- Analyzed and resolved defects raised in Jira as per FSD

Hospital Bed Application

Description: This application allows hospital authority to track, allocate and book beds in real time and also helps patients and hospital staff to check bed availability, reserve beds and manage occupancy efficiently.

Responsibilities:
- Developed REST APIs for managing hospital bed allocation, tracking bed availability and updating occupancy status
- Implemented filtering and sorting options for hospital staff to quickly find available beds based on criteria like ward, bed type and patient condition
- Created a patient priority system, assigning beds based on patient condition (e.g. emergency, ICU, regular)
- Optimized database performance for real-time data retrieval with indexing and caching
- Resolved penetration testing issue by proper error handling, input validation and avoided the SQL query exposure

Library Management System (Capstone Project)

Description: This application enables librarians to track available books, issue and return books and maintain user records. It also supports features like user registration, book search and fine calculation for late returns.

Responsibilities:
- Developed endpoint to register new user and login for existing user, also developed APIs for managing book details, fetching available booklist and tracking book availability
- Created a user role management system with admin and member roles, giving librarians administrative access to manage books and users
- Implemented a fine calculation system that automatically calculates overdue charges based on the number of overdue days
- Scheduled automated email notifications after due dates at an interval of every 2 days to alert the user regarding return of book
- Created the database architecture to implement all required features
- Used Spring Data JPA to perform CRUD operations and sorting

SKILLS

Language:	Java, C++, Python
Frameworks:	Spring Boot, Hibernate, JPA, JDBC, Mockito, Junit, Spring Security, Kafka, GraphQL
Tools:	Maven, SonarQube, Swagger, XL Deploy, Jira, Rancher, Elastic Logs
Databases:	SQL (PostgreSQL, MySQL), NoSQL (MongoDB), Amazon RDS (Cloud)
DevOps (CI/CD):	Jenkins, GitLab
IDE:	Spring Tool Suite, IntelliJ IDEA, VS Code
Web Technology:	HTML, CSS, JavaScript
AI Technology:	Spring AI

EDUCATION

Jalpaiguri Government Engineering College, Jalpaiguri   Aug 2017 - July 2021
Bachelor of Technology - 8.38 GPA

CERTIFICATIONS

HackerRank Certified **Software Engineer | CERTIFICATE**   Issued On Oct 2024
Coding Ninjas Certified **Spring Boot Developer | CERTIFICATE**   Issued On Mar 2024
Udemy Certified **Full Stack Developer | CERTIFICATE**   Issued On May 2023

ACHIEVEMENTS

Cleared Infosys Power Programmer assessment
Gained appreciation from team members, seniors and manager

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge and belief.

Place: Howrah
NABYENDU OJHA