ISHANT SIKDAR

Backend Engineer | Java | Spring Boot | Node.js | SQL | AWS

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PROFESSIONAL SUMMARY

Backend Software Engineer with 1.5+ years of experience developing **scalable**, **low-latency systems** across fintech, edtech, and gaming domains. Proficient in **Java (Core, Java 8+)**, **Spring Boot**, **Node.js**, **Docker** and **AWS**. Delivered production-grade systems used by 2K+ users, with **RESTful APIs**, **multithreading**, **concurrency**, **message queues**, and **caching**. Strong grasp of **data structures and algorithms (DSA)**, **system design**, **CI/CD pipelines**, and **cloud deployments**. Open to relocation across India. Indian Citizen.

SKILLS

Languages & Frameworks: Java, Spring Boot, Spring MVC, Hibernate, Node.js, Fastify, Express.js, NestJS, TypeScript, JavaScript
Databases & Tools: MySQL, PostgreSQL, MongoDB, Redis, SQL, NoSQL, JPA, ORM
Cloud & DevOps: AWS (EC2, ECS, ASGs, S3, CloudFront), Docker, GitHub Actions, CI/CD, Linux, Git
Architecture & Concepts: RESTful APIs, Monolithic apps, Multithreading, Concurrency, Containerization
Testing & Tools: Postman, Swagger/OpenAPI, JUnit, Mockito, Integration Testing, Unit Testing
Frontend: React.js, Redux Toolkit, TailwindCSS, React Query
Others: Agile, Scrum, Jira, Data Structures & Algorithms (DSA), System Design

EXPERIENCE

Software Development Engineer - (Intern to Fulltime)
FUTY – Remote (London HQ – Entertainment & Fintech Startup)
July 2024 –July 2025

- **Reduced API latency by 90%** (from 2.5s to 200ms) in a **battleship** game by using NestJS (Fastify), Redis, BullMQ, and MySQL.
- Built scalable RESTful APIs with **Node.js** and **Docker** on a semi-monolothic architecture, deployed on **AWS ECS.**
- Served 2K+ users on a fantasy sports platform using **React.js**, **TailwindCSS**, and **CloudFront** for CDN distribution.
- Enabled scalable and secure **loan management operations** by architecting an LMS using Node.js, React, and MySQL.
- Integrated static file management service with **S3** and **MinIO**, enabling CRUD operations, **multipart uploads**, and static serving.

Backend Engineer - Intern
Opalina Technologies – Noida, Uttar Pradesh - (Fintech Service Company)
Nov 2023 – May 2024

- Built a production-ready **Loan Management System** using Java, Spring Boot and MongoDB for loan origination, repayment, and tracking.
- Processed **thousands of loan** with zero downtime **by serving ~1,000** end users across partner financial institutions.
- Improved backend **throughput by over 60%** under load by leveraging Java **multithreading** to process concurrent loan applications and repayment validations.
- Reduced **MongoDB query** response times by **70%** through optimized **aggregation pipelines and indexing** strategies.
- Contributed to Agile sprints, sprint planning, and peer code reviews in a fast-paced dev environment.

PROJECTS

Mindo – Social AI EdTech Platform
June 2024 – Present

Designed and developed a full-stack platform that uses OpenAI and YouTube APIs to generate subject-wise learning paths, quizzes, and dynamic video curation.

- Built REST APIs with **Node.js, Nest.js (Fastify)**, containerized with **Docker**, hosted on **AWS EC2**.
- Implemented **Redis pub/sub** for scalable real-time chat across EC2 instances.
- Designed and normalized a relational schema for users, quizzes, roadmaps, and scraped content using **PostgreSQL**.
- OpenAI (GPT-4) for roadmap and quiz generation.
- YouTube Data v3 API for fetching related learning videos.
- Frontend: Used **React + Tailwind CSS** for SPA with rich dashboard.

Status: In active development; showcased at hackathons and major college projects. Demonstrates backend system design, distributed messaging, and third-party API orchestration.

EDUCATION

Maharaja Surajmal Institute, *Janakpuri, Delhi*
Bachelor's, Computer Science, CGPA: 9.0