ISHANT SIKDAR

Backend Engineer | Java | Spring Boot | Node.js | AWS | React
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PROFESSIONAL SUMMARY

Backend Software Engineer with 1.5 years of experience delivering scalable systems in **fintech**, **edtech**, and **gaming**. Skilled in Java, Spring Boot, Node.js, and AWS. Built high-performance systems using **REST APIs**, **multithreading, queues, and caching**, including a fantasy app used by **12K+ users** and an LMS with **1,000+ users**. Proven ability to take features from concept to **production** in fast-paced environments. Open to relocation across India, Indian Citizen.

EXPERIENCE

Fullstack Engineer

FUTY – Remote (London HQ – Entertainment & Fintech Startup)
Oct 2024 - Present

- Cut down **API latency by 90%** (from 2.5s to 200ms) in a **real-time battleship** game by using NestJS (Fastify), Redis, BullMQ, and MySQL.
- **Served 12K+ users** with a frontend for a **fantasy sports platform** by using React.js, Tailwind CSS, and deploying assets via S3 and CloudFront.
- Enabled scalable and secure **loan management operations** by architecting an LMS using Node.js, React, and MySQL.
- Simplified **File Management System handling** by developing a service module to CRUD **binary files** across **AWS S3 and MinIO,** supporting **static file serving** and **multipart** uploads.

Backend Engineer

Opalina Technologies – Noida, Uttar Pradesh - (Enterprises & fintech service based company)
Nov 2023 – May 2024

- **Enabled seamless origination, repayment, and tracking workflows** by delivering a production-grade Loan Management System using Java (Spring Boot) and MongoDB.
- Handled **thousands of loan records** with zero downtime **by serving ~1,000** end users across partner financial institutions post-launch.
- **Improved backend throughput by over 60% under load** by leveraging Java multithreading to process concurrent loan applications and repayment validations.
- Reduced database **response times by 70%** by implementing advanced **MongoDB aggregation pipelines**.

PROJECTS

Mindo – Social AI EdTech Platform - *June 2024 – Present*
A self-built AI-powered learning platform for curated, personalized study plans using public YouTube content and OpenAI.

- **Problem**: Students spend hours piecing together learning resources. There's no structured roadmap from YouTube + AI.
- **Solution**: Designed and developed a full-stack platform that uses OpenAI and YouTube APIs to generate subject-wise learning paths, quizzes, and dynamic video curation.
- **Backend:**
  - 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**.
- **Integrations**:
  - OpenAI (GPT-4) for roadmap and quiz generation.
  - YouTube Data v3 API for fetching related learning videos.
  - **Frontend** (minimal use): Used **React + Tailwind CSS** for SPA with rich dashboard and editing tools.

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

SKILLS

Backend Stack: Java, Spring Boot, Node.js, TypeScript
Databases: MySQL, PostgreSQL, MongoDB
Cloud & Infra: AWS (EC2, S3, CloudFront), Redis, Docker, Linux
Testing & Tools: Postman, Swagger, JUnit, Git, CI/CD
Other: React (used for internal tools), TailwindCSS

EDUCATION

Maharaja Surajmal Institute, *Janakpuri, Delhi*
Bachelors of Computer Applications, CGPA: 9.0