

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** in 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.

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 Full-time

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
- **Engineered** scalable RESTful APIs with **Node.js** and **Docker** on a semi-monolithic architecture, deployed via **AWS ECS**
- Delivered a **high availability** fantasy sports platform “FUTY” to **2K+ users** using React, Tailwind, and AWS S3 + CloudFront
- Architected and implemented a secure, scalable **Loan Management System** using Node.js, React, and MySQL
- **Refactored and migrated** the core **AWS S3** module to support **MinIO** compatibility, enabling fully self-hosted object storage infrastructure

Backend Engineer - Intern

Opalina Technologies – Noida, Uttar Pradesh - (Fintech Service Company)

Nov 2023 – May 2024

- Architected & developed a robust **Loan Management System** using Java, Spring Boot and MongoDB from **DEV, UAT** to **PROD**
- **Orchestrated** high-throughput loan workflows for **~1,000 end users**, maintaining zero* downtime across financial partners
- **Optimized** backend **throughput by over 60%** under load by leveraging Java **multithreading** for concurrent processing
- Reduced **MongoDB query** response times by **70%** through optimized **aggregation pipelines** and **DB indexing** strategies
- Participated in and facilitated **Agile sprints**, sprint planning, and **peer code reviews** in a fast-paced team environment

PROJECTS

Mindo – Social AI EdTech Platform

June 2024 – Present

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

- Developed and containerized REST APIs with **Node.js** and **NestJS (Fastify)**, deployed 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**
- Engineered learning roadmaps and quizzes by integrating **GPT-4** via the **OpenAI API**
- Utilized **YouTube Data v3 API** to curate contextually relevant video resources
- Developed an interactive single-page web app with **React** and **Tailwind** CSS for a seamless user experience

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