ISHANT SIKDAR

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

+91 9667638711 | ishant9715@gmail.com | Portfolio (ishant-sikdar.vercel.app) | linkedin.com/in/ishantsikdar | github.com/easc01

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.
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*

- **Contributed** to multiple **gaming** and **finance** apps across DEV, Testing and PROD environments using **Node.js, SQL & React.js.**
- **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 – AI EdTech Platform   *June 2024 – Present*

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

- Developed and containerized REST APIs with **Node.js** and **NestJS (Fastify),** deployed **on AWS EC2.**
- Configured **websockets** to enable real-time chat across app users for community interactions.
- **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.

EWallet – E2E Wallet System   *July 2024*

Built a PayTM-like wallet system enabling transfers, transaction tracking, and bank interactions using a multi-app monorepo structure.

- Developed and containerized four apps: **React.js** frontend, **Node.js** backend, **webhook handler**, and mock bank UI.
- Implemented core wallet logic using **PostgreSQL** with **SQL locking** via Prisma ORM to ensure **ACID-compliant transactions**.
- Streamlined development using **Turborepo**, reducing code duplication and improving DX by 30%.
- **Automated CI/CD pipelines** with GitHub Actions, reducing deployment time by 50%.
- Deployed all apps as **Docker** containers **on AWS EC2** for better scalability and uptime.
- Integrated **Google OAuth** for secure login and React charts for **wallet balance visualization**.

EDUCATION

Maharaja Surajmal Institute, *Delhi*   *2022 - 2025*
Bachelor's, Computer Science, CGPA: 8.9