Saurav Kumar Jha

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Summary

Backend-focused Software Engineer with hands-on experience building distributed systems using Java, Spring Boot, Spring Cloud, Kafka, Redis, MySQL, and REST APIs. Experienced in microservices, asynchronous event processing, inter-service communication, authentication, transaction workflows, and database persistence. Also brings production full-stack experience with TypeScript, Node.js, React.js, and modern web technologies.

Technical Skills

Languages: Java, SQL, TypeScript, JavaScript
Backend: Spring Boot, Spring Data JPA, Spring Security, Spring Cloud Gateway, OpenFeign, REST APIs, Node.js, Express.js
Messaging & Caching: Apache Kafka, Redis
Databases: MySQL, PostgreSQL, MongoDB, Prisma, Mongoose
Frontend: React.js, Next.js, Tailwind CSS
Tools: Maven, Docker, Git, GitHub, Linux, Postman, Jest
Concepts: OOP, Data Structures & Algorithms, Microservices, Event-Driven Architecture, RESTful Architecture, Authentication, Authorization, Database Design, Unit & Integration Testing

Experience

Full Stack Developer Intern June 2025 – Dec 2025
Louder *New Delhi, India*

- Built and deployed 15+ production REST APIs using Node.js and Express.js with authentication, validation, middleware, and structured error handling.
- Architected and shipped a production CRM using React.js and Node.js/Express.js, supporting user management, booking workflows, and analytics across multiple business clients.
- Integrated Razorpay payment workflows with HMAC webhook verification and idempotent transaction processing, reducing payment failures by over 30%.
- Optimized MongoDB schemas using targeted indexing and aggregation pipelines, improving query performance by 40%+ on high-frequency operations.

Projects

Digital Banking Microservices | *Java, Spring Boot, Kafka, Redis, MySQL, Spring Cloud*

- Architected a distributed banking backend with independent Spring Boot services for accounts, transactions, payments, fraud detection, and notifications behind Spring Cloud API Gateway.
- Implemented event-driven transaction processing with Apache Kafka, including OTP verification, fraud-check workflows, debit/credit processing, and asynchronous transaction notifications.
- Used Redis for OTP lifecycle management and API rate limiting, MySQL with Spring Data JPA for persistence, and OpenFeign for synchronous communication between microservices.

Ride-Sharing Backend System | *Java, Spring Boot, Kafka, Redis GEO, MySQL, OpenFeign*

- Built a microservice-based ride-sharing backend separating ride management, driver matching, and real-time driver location responsibilities using Spring Boot.
- Implemented asynchronous ride-request processing using Apache Kafka and service-to-service communication through OpenFeign for driver discovery and matching workflows.
- Developed proximity-based driver search using Redis GEO and implemented ride lifecycle management with distance-based fare estimation and persistent ride data in MySQL.

Buddy – AI Mock Interview Platform | *Next.js, PostgreSQL, Prisma, Stream Video, Clerk* Demo

- Developed a full-stack interview platform with role-based workflows, appointment scheduling, authentication, and credit-based booking functionality.
- Integrated webhook-driven video recording and transcription pipelines using Stream Video SDK to process completed interview sessions asynchronously.
- Built an AI evaluation workflow that converts interview transcripts into structured performance feedback and manages interviewer earnings and withdrawal flows.

Certifications

Web Development Cohort (6 Months) | *Chai Aur Code – Hitesh Choudhary* Certificate

- Completed an intensive full-stack development program covering JavaScript, React.js, Node.js, Express.js, MongoDB, REST APIs, authentication, Git, GitHub, and deployment.

Education

Delhi Technological University (DTU) Delhi, India
Bachelor of Technology – Mechanical Engineering *2022 – 2026*

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Software Engineering, Object-Oriented Programming.