

Shaurya Sharma

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Education

Kalinga Institute of Industrial Technology, Bhubaneswar, India
Bachelor of Technology in Computer Science and Engineering (Final Year) September 2022 - June 2026
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Networking, Distributed Systems

Core Competencies

- Backend development with RESTful APIs, microservices, and distributed systems
- Database design, optimization, and integration (SQL/NoSQL)
- Scalable architecture, messaging systems, and real-time data processing
- Software design patterns, SDLC, Agile practices, test-driven development

Technical Skills

- **Programming Languages:** Java, Kotlin, C++
- **Frameworks & Libraries:** Spring Boot, JPA Data, Prisma, Apache Kafka
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Cloud & Deployment:** AWS (ECS, S3, RDS), Vercel, Docker, CI/CD pipelines
- **Tools & Development Practices:** Git, Maven, Gradle, Agile methodologies, TDD, OAuth2, JWT

Projects

SwiftCart – Mobile E-Commerce Platform with Real-time Processing (GitHub) December 2024 – January 2025
Kotlin, Spring Boot, Docker, AWS ECS, PostgreSQL, Android-compatible APIs

- Developed an Android e-commerce app using Jetpack Compose for a responsive UI, enabling seamless product browsing and purchasing.
- Integrated Retrofit and Room for API connectivity and offline storage, managing user data and cart functionality.
- Built a Spring Boot (Kotlin) backend with Docker and Docker Compose for scalable microservices.
- Deployed on AWS ECS with S3 and RDS (PostgreSQL) for secure storage, efficient database management, and high availability.

NotifyX – Scalable Notification Middleware (GitHub) April 2025 – June 2025
Java, Spring Boot, Kafka, Redis, PostgreSQL, Next.js, Event-driven Architecture

- Designed and deployed a high-throughput middleware capable of handling 50K+ events/min with real-time delivery and sub-second latency.
- Implemented distributed producer-consumer architecture with Kafka and Redis, enabling fault-tolerance, horizontal scalability, and reliable traffic handling.
- Built a Next.js frontend for seamless user experience, allowing intuitive monitoring, integration management, and system insights.

FailForward – Productivity Platform (Live Demo) March 2025 – April 2025
Spring Boot, PostgreSQL, REST APIs, Clerk, Next.js, Vercel Deployment

- Built and deployed the backend with Spring Boot and PostgreSQL, enabling scalable story publishing and content management.
- Developed secure REST APIs for authentication, user workflows, and content handling, integrated with Clerk.dev.
- Optimized database schema and queries for performance and collaborated with frontend integration.

Certifications & Achievements

- **Spring Boot Course: Certified Course for Essential Skills** — Scaler Topics, Aug 2025
- **Generative AI: Introduction and Applications** — IBM via Coursera, Aug 2025
- **Agile Project Management Certification** (HPE, 2024) - Applied collaborative development methodologies in cross-functional teams