

Shaurya Sharma

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Education

Kalinga Institute of Industrial Technology, Bhubaneswar, India
Bachelor of Technology in Computer Science and Engineering (Final Year)
Relevant Coursework: Data Structures, Algorithms, Distributed Systems, Computer Security

September 2022 - June 2026

Core Competencies

- Strong written/verbal English communication with proven analytical problem-solving abilities and cross-functional collaboration in global development environments
- Full-stack engineering expertise with security-first design principles, maintainable code architecture, and complete SDLC ownership from design through production deployment
- Advanced proficiency in algorithms, data structures, and core computer science fundamentals with hands-on application in scalable distributed systems
- Comprehensive software development expertise across full technology stack with systematic problem-solving approach to complex technical challenges

Technical Skills

- **Programming Languages:** Java, Kotlin, JavaScript, Python, C++, SQL with focus on secure, maintainable code
- **Java Ecosystem:** Spring Boot, Hibernate, JUnit, JDBC, Maven with production-grade microservices development
- **Software Development:** Full SDLC ownership, Agile/Scrum methodologies, OOP principles, Design Patterns, Unit Testing, end-to-end application development
- **Problem-Solving Skills:** Analytical thinking, systematic debugging, algorithmic optimization, and creative solution design for complex technical challenges
- **Cloud & DevOps:** AWS (ECS, S3, RDS), Docker, Jenkins, Git, Linux, Bash with build automation and deployment pipelines
- **Architecture & Databases:** REST APIs, Microservices, System Design, PostgreSQL, MySQL, Redis with performance optimization
- **Monitoring & Operations:** Application monitoring, dependency management, production rollout, and system observability

Projects

SwiftCart – Production-Grade E-Commerce Microservices (GitHub)
Kotlin, Spring Boot, Docker, AWS ECS, PostgreSQL, Performance Testing

April 2024 – June 2024

- Architected and deployed scalable microservices handling 5K+ concurrent sessions with 42% latency reduction, demonstrating strong foundation in distributed systems and algorithms
- Implemented security-first design with OAuth2-JWT authentication, OWASP-compliant validation, and maintainable code architecture following industry best practices
- Owned complete software lifecycle from design through rollout including monitoring, dependencies, build automation, and production deployment with comprehensive observability

NotifyX – High-Performance Notification System (GitHub)
Java, Spring Boot, Kafka, Redis, PostgreSQL, Docker, Monitoring

October 2023 – December 2023

- Engineered fault-tolerant Java-based microservice delivering 10K+ messages/sec with less than 200ms latency using advanced data structures and event-driven architecture
- Built cross-platform CLI with automated dependency management, comprehensive error handling, and production-ready monitoring stack supporting 15K+ concurrent users
- Demonstrated full ownership of software including build processes, deployment pipelines, and system monitoring with focus on maintainability and security

Awaaz – Secure File Processing Platform (GitHub)
Java, Spring Boot, Kotlin, Firebase, Docker, Security

January 2024 – March 2024

- Developed zero-authentication secure platform with JWT-protected APIs, demonstrating strong security design principles and analytical problem-solving skills
- Implemented automated PDF generation and email delivery system with less than 300ms processing latency, showcasing optimization of core algorithms and data structures
- Architected containerized deployment with comprehensive security validation, file signature verification, and robust error handling for production readiness

Certifications & Achievements

- **Agile Project Management Certification** (HPE, 2023) - Global collaboration and project management methodologies