

NAMAN GUPTA

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Professional summary

Software Engineer with over **1 year** of experience in building distributed systems using **microservices** and event-driven architecture. Worked on **Kafka-based pipelines**, **Spring Boot** services, and deployed applications on **Kubernetes**. Focused on writing reliable, testable code and improving system performance. Experienced in maintaining and improving backend systems in product-focused teams.

Work Experience

Zopsmart Technologies

Jul 2024 – Present

Software Development Engineer (SDE1)

Bengaluru

- Architected and maintained **20+ microservices** in Java (**Spring Boot**) deployed on **Kubernetes** using **Helm**, improving scalability and modularity across teams.
- Developed a Spring Boot-based **API mocking tool** adopted by **15+** teams, reducing testing setup time by **80%**.
- Reduced build and deployment time by **80%** by refining GitHub Actions-based **CI/CD pipeline**.
- Automated deployment failure analysis using custom scripts, increasing **deployment success rates by 90%**.
- Established centralized monitoring using **Grafana, Prometheus, and Datadog**, enabling early anomaly detection and reducing outages by 40% over 3 months.
- Maintained **98% test coverage** using **JUnit, Mockito, MockWebServer, and MockMvc**, improving code reliability.

Zopsmart Technologies

Jan 2024 – Jun 2024

Intern

Bengaluru

- **Containerized and deployed** the application with **custom HPA**, improving scalability by **40%** leading to better performance under high traffic.
- Spearheaded **Flyway migrations**, ensuring seamless schema changes across environments, cutting deployment issues by 50% and increasing system reliability.
- Built and optimized **RESTFUL API** for an internal product, incorporating caching to achieve a 30% increase in engagement and a 40% reduction in API response time.

Projects

Card Fraud Interception Plugin | *Node.js, JavaScript, Kafka, Redis, PostgreSQL, Location API*

- Designed a fraud preventing framework leveraging real-time **geospatial** analysis, reducing unauthorized transactions by **65%**.
- Engineered a **high-throughput** transaction processing pipeline with **Kafka and Redis**, achieving **5000+ TPS**.
- Integrated **real-time notifications** to block suspicious activities, improving payment security.
- Converted to an API plugin for payment gateways, adding fraud detection features.

Technical Skills

Programming: Java, C++, JavaScript

Core Concepts: Object-Oriented Programming (OOP), Design Patterns, System Design, Data Structures & Algorithms

Frameworks: Spring Boot, Node.js

Cloud & DevOps: Docker, Kubernetes, Helm, CI/CD (GitHub Actions), Rancher

Databases: PostgreSQL, Cassandra, MongoDB, MySQL

Event-Driven & API Communication: Kafka, RabbitMQ, SOAP APIs, RESTful APIs, Redis

Monitoring & Security: Datadog, Swagger-UI, Prometheus, Grafana

Education

Jaypee Institute Of Information technology

Sep 2020 – Sep 2024

Btech. Computer Science

Noida

Leadership / Extracurricular

- Instructed over 60 students as a **Web Development Instructor** at **Placewit**, delivering live sessions and hands-on mentorship in full-stack development.
- Led a **cross-functional team** of developers and designers to organize **technical workshops and hackathons**, increasing participation by **50%**.
- Mentored **30+ developers** in open source, assisting with debugging, code reviews, and **15+ production ready PRs**.