

SUNANDAN GUPTA

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SKILLS

Languages:	Java, C++, SQL	Backend:	Spring Boot, REST APIs
Dist. Systems:	Apache Kafka	Databases:	Oracle, Cassandra, Elasticsearch, Redis
Tools:	Git, Maven, AppDynamics		
Cloud & DevOps:	AWS(EC2, S3, IAM, Lambda), Kubernetes, Helm		
Concepts:	Microservices, API Design, Event-driven Architecture, Caching Strategies, System Design		

EDUCATION

BE in Computer Engineering, Pune Institute Of Computer Technology 2020 - 2024
GPA: 8.3

12th (HSC), KV No 1, Udhampur 2020
Percentage: 92.4%

EXPERIENCE

Software Engineer Jan 2024 - Present
Qualys

- Designed and built a high-throughput, event-driven data processing pipeline using Java, Spring Boot, Kafka, Cassandra, Elasticsearch, and Redis, improving scalability, resilience, and end-to-end processing efficiency.
- Migrated a critical cross-service workflow from synchronous REST communication to Kafka-based asynchronous messaging, improving throughput, fault tolerance, and system decoupling.
- Enhanced observability by integrating AppDynamics, structured logging, and detailed processing traces, enabling faster RCA and improved production debugging.
- Leveraged AI-assisted development workflows to accelerate feature development, code refactoring, debugging, and technical design while maintaining production-quality standards.
- Collaborated with cross-functional teams to design backend solutions, define technical requirements, and deliver scalable features across multiple microservices.
- Addressed security and platform stability by resolving Black Duck vulnerabilities, upgrading dependencies, and troubleshooting complex cross-service production issues.

PROJECTS

Git Archaeologist — Java, Spring Boot, PostgreSQL, pgvector, OpenAI API

- Developed an AI-powered repository assistant that enables developers to query Git repositories using natural language.
- Built a scalable RAG pipeline using Spring Boot, PostgreSQL (pgvector), embeddings, and LLMs to retrieve and generate context-aware responses from repository data.

ACHIEVEMENTS

- Codeforces Rating: 1355
- CodeChef Rating: 1854
- Solved 500+ DSA problems (LeetCode, GeeksforGeeks, Codeforces)