

PROFESSIONAL SUMMARY

Backend Engineer specializing in distributed systems, high-throughput architectures, and complex data modeling. Proven expertise in engineering fault-tolerant microservices using Java and Spring Boot. Passionate about tackling systemic bottlenecks, ensuring strict transactional consistency, and writing scalable, highly maintainable code.

TECHNICAL SKILLS

- **Programming & Concepts:** Java, SQL, Data Structures & Algorithms (DSA), System Design, OOP.
- **Frameworks & Security:** Spring Boot, Spring Security, Hibernate / JPA, REST APIs, JWT, OAuth 2.0.
- **Databases & Caching:** PostgreSQL, MySQL, Neo4j, Redis.
- **Infrastructure & Tools:** Apache Kafka, Docker, Kubernetes, WebSockets, Git, Linux / CLI, Postman.

PROFESSIONAL EXPERIENCE

- **Systems Engineer**

Tata Consultancy Services (TCS)

India
2026 – Present

 - Engineering high-performance enterprise backend microservices leveraging **Java, Spring Boot, and SQL** to support highly available, large-scale applications.
 - Optimizing internal CI/CD tooling and actively collaborating within agile cross-functional teams to accelerate deployment pipelines and enforce rigorous code quality standards.

TECHNICAL PROJECTS

- **Nexus Ledger** | [nexusledger.in](#)

Technologies: Java, Spring Boot, Redis, Kafka, PostgreSQL

2026

 - Engineered a **high-throughput distributed payment gateway** engineered strictly for ACID compliance.
 - Implemented distributed locks and idempotency keys to process concurrent API payloads safely, completely eliminating race conditions and double-charging anomalies.
- **GraphNet Backend** | [graphnet.in](#)

Technologies: Java, Spring Boot, Neo4j, Redis

2026

 - Architected a distributed professional network backend, trading traditional RDBMS join-bottlenecks for a highly optimized **graph database model**.
 - Enabled lightning-fast, sub-millisecond n-degree connection traversals and low-latency feed generation by utilizing targeted fan-out caching strategies in Redis.
- **OmniDev Engine** | [omnidev.in](#)

Technologies: Java, Spring Boot, Docker, WebSockets

2026

 - Developed the core infrastructure layer powering a real-time collaborative code-execution platform.
 - Managed live abstract-syntax-tree synchronization via **WebSockets** and engineered isolated, containerized **Docker** sandboxes to execute untrusted user code with strict security bounds.

EDUCATION

Degree/Grade	Institute/Board	CGPA/Percentage	Year
B.Tech. in Computer Science	Sushila Devi Bansal College of Engineering, Indore	8.15 CGPA	2024
12th Grade	Kendriya Vidyalaya, Mhow	87.4%	2020
10th Grade	Kendriya Vidyalaya, Mhow	81.8%	2018