SARANG MEHTA

Backend Software Engineer (Java / Distributed Systems)

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SUMMARY

Backend Engineer experienced in building **scalable, low-latency microservices** using Java and Spring Boot. Strong foundation in **DSA, concurrency, distributed systems, and clean architecture**. Proven **end-to-end ownership** of backend services from design to production reliability.

SKILLS

- **Languages & Backend:** Java (OOP), Spring Boot, Microservices, REST APIs
- **System Design:** Data Modeling, Service Layer Abstractions, Low-Level Design (LLD), Design Patterns
- **DSA:** Arrays, Hashing, Trees, Graphs, DP, Complexity Analysis
- **Performance:** Latency Optimization, Throughput Improvement, Concurrency Handling, Caching Strategies
- **Databases & Infra:** PostgreSQL, Redis, Linux, Docker, AWS (EC2/S3/RDS), CI/CD (Jenkins, GitHub Actions)
- **Core Strengths:** Ownership, Scalability, Clean Code, Distributed Systems

WORK EXPERIENCE

NemoIT Solutions – Client: Foundation Medicine Inc.   05/2023 – 09/2025

Software Development Engineer

- **Owned** core backend service components throughout **design, implementation, deployment, and monitoring** lifecycles.
- Designed and developed **scalable Java + Spring Boot microservices** with clean layered architecture and reusable components.
- Applied **object-oriented design patterns** and **data modeling** principles to write maintainable and extensible backend modules.
- Optimized **request/response flows**, improving **latency, throughput, and concurrency efficiency** across services.
- Built and refined **REST APIs** and internal service-to-service communication ensuring reliability across distributed environments.
- Implemented **event-driven workflows** and **batch jobs** for consistent processing of large operational datasets.
- Wrote **unit/integration tests**, performed **code reviews**, and enforced **coding standards** for long-term maintainability.
- Collaborated in **Agile sprints** with cross-functional engineering and QA teams to deliver features on schedule.
- Improved **critical workflow** execution time by identifying performance **bottlenecks**, **optimizing DB access**, and **refining concurrency**, resulting in smoother throughput under increased load.

University of Texas – Arlington (Engineering Projects)   08/2022 – 05/2023

Backend Engineer (Spring Boot / Microservices)

- Built **microservices** using Java + Spring Boot with clean separation of concerns and reusable service components.
- Implemented **Redis caching** to lower database load and reduce API response latency.
- Performed **code reviews, debugging, and unit testing** to maintain code quality.
- Participated in **Agile sprints**, collaborating with cross-functional teams on feature development and delivery.

EDUCATION

Master of Science (MS)   08/2021 – 05/2023

Computer Science, University of Texas - Arlington, Texas, USA

Bachelor of Engineering (BE)   08/2018 – 05/2021

Computer Science, Gujarat Technological University, Gujarat, India