

Sujal Sharma

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Professional Summary

Backend Software Engineer with 2.8+ years of experience building scalable and secure web applications using Java and Spring Boot. Proficient in designing RESTful APIs, optimizing system performance, and implementing microservices in cloud-native environments (AWS, Kubernetes). Committed to clean architecture, distributed system design, and delivering low-latency, high-throughput backend solutions.

Skills

Languages & Backend: Java, Spring Boot, REST APIs, Microservices, OOP Principles

Frontend: React, JavaScript, TypeScript, HTML, CSS

Databases & Caching: MySQL, MongoDB, Redis

DevOps Tools: AWS, Azure, Splunk

CS Fundamentals: DSA, Multithreading, Concurrency, System Design (LLD HLD)

Experience

Software Engineer

Infosys Limited

Noida, INDIA

October 2022 - Present

- Community Resource Directory: Developed a community resource directory web application using Java, Spring, JSP, HTML, CSS, JavaScript, and MySQL, increasing user engagement by 30% and reducing page load time by 20%.
- Enhanced search functionality with Azure AI Search, cutting search times by 40% and boosting result accuracy by 30%.
- Streamlined CI/CD pipelines with Jenkins, Azure DevOps, Octopus Deploy, and SonarQube, reducing release time by 15% and enhancing system reliability.
- Collaborated with frontend and QA teams to identify and resolve backend performance bottlenecks, leading to a 25% reduction in production issues and improved overall system stability.

Projects

Personal-Finance-Tracker-System | Java, Spring, Security, JWT, MySQL | GitHub

- Implemented JWT-based authentication and role-based access control, securing 100% of API endpoints and reducing unauthorized access incidents by 40%, while ensuring safe handling of sensitive financial data.
- Engineered modular controller design and streamlined API workflows, increasing concurrent request handling capacity by 35% and lowering endpoint latency by 120ms on average.
- Optimized MySQL schema and queries, reducing data fetch latency by 40% and improving performance across endpoints.
- Strengthened user data protection through role-based access controls and token-based session management, improving system reliability by 35% and enhancing compliance with security standards by 40%.

URL Shortener | Java, Spring Boot, Redis, ZooKeeper, Docker | GitHub

- Engineered RESTful APIs using Spring Boot, processing 1M+ daily URL requests with consistent 50ms response times through Redis caching and database schema optimizations using industry best practices, like indexing.
- Amplified MySQL database with normalized relational schemas and foreign key constraints, managed over 1 million URL records, user data, access logs, and mappings while maintaining sub-50ms query performance.
- Integrated Redis to cache frequently accessed URLs, improving response times by 3x and reducing DB load by 70%.
- Established a centralized service discovery system using Zookeeper that enabled seamless coordination between 10+ distributed services, enhancing system reliability and increasing uptime to 99.9% across critical applications.
- Deployed the system using Docker, with automated builds and rollouts through CI/CD pipelines, cutting release times by 40%.

E-Pharmacy | Java, Spring Boot, Angular, MySQL, Kafka, Resilience4j, Consul

Internal - Project

- Developed secure and scalable RESTful APIs using Spring Boot and Spring Security, reducing server response time by 50% and improving overall API throughput by 30%.
- Architected a microservices platform with load balancing and service discovery, cutting server overhead by 30%.
- Integrated Kafka and Resilience4j, improving transaction efficiency and system reliability by 25%.

Education

Chaudhary Charan Singh University

Bachelor of Technology in Information Technology (8.02 CGPA)

Meerut, INDIA

August 2018 - June 2022

Muslim Inter College

Higher Secondary (77%)

Mau, INDIA

July 2016 - May 2018

Achievement

- Solved 1000+ problems on LeetCode and 700+ on GeeksForGeeks, strengthening expertise in algorithms, recursion, trees, graphs, and dp.
- Infosys Certified Spring Associate and Java Spring Angular Developer.
- Applied design patterns (Strategy, Observer, Chain of Responsibility) to design extensible and maintainable modules across personal and internal projects.