

ARBAZ SAYYAD

Software Engineer - Backend | Java | Spring Boot | Microservices

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PROFESSIONAL SUMMARY

Backend Software Engineer specializing in **scalable, low-latency distributed systems** using **Java, Spring Boot, and Kafka**. Delivered measurable impact by reducing **system latency by 40%** and improving **deployment efficiency by 50%** through performance optimization and CI/CD automation. Designed **high-throughput, event-driven microservices** processing **20K+ events/day** with a strong focus on **reliability, caching, and fault tolerance**.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Microservices, REST APIs, gRPC, Hibernate/JPA
Distributed Systems: Apache Kafka, Event-Driven Architecture, Fault Tolerance, High Availability
Data Layer: PostgreSQL, MySQL, MongoDB, Redis
Cloud & Infrastructure: AWS (EC2, S3, RDS), Docker, Kubernetes
Observability & Security: Prometheus, Grafana, ELK Stack, OAuth2, JWT, RBAC
Engineering Practices: System Design, CI/CD, TDD, Agile/Scrum, Code Reviews, Git

PROFESSIONAL EXPERIENCE

AJ TechSoft Jan 2024 – Present
Software Engineer – Backend Pune, India

- Designed and built 15+ REST APIs serving thousands of active users; reduced **p95 latency from 300ms to 200ms** via payload optimization and **Redis caching**
- Engineered **event-driven microservices** using Kafka processing **20K+ events/day**, reducing inter-service coupling and improving system throughput under peak load
- Reduced query latency by **30–40%** using composite indexing and eliminating N+1 query patterns in high-traffic endpoints
- Secured **4+ services** with JWT and RBAC, enforcing role-based access and preventing unauthorized requests
- Built **CI/CD** pipelines using Jenkins & Docker, reducing deployment time by **50%** and improving production reliability

OPEN SOURCE CONTRIBUTIONS

Spring Kafka | *Java, Apache Kafka, Distributed Systems*

- Contributed to Spring Kafka (used globally in production systems) by introducing fail-fast validation in `@RetryableTopic`, preventing misconfigured consumers and improving reliability for **large-scale distributed systems** [[PR #4397](#)]

Spring Framework | *Java, WebFlux, Spring MVC*

- Enabled custom validation in **Spring WebFlux** by extending `ModelAttributeMethodArgumentResolver`, aligning with Spring MVC extensibility [[PR #36697](#)]
- Improved clarity of transaction behavior in **multi-transaction-manager setups** for distributed systems [[PR #36689](#)]

PROJECTS

AI Meeting Notes | *Java, Spring Boot, React, PostgreSQL, Kafka, Redis, Gemini API, Docker* [[Demo](#)] [[GitHub](#)]

- Built distributed AI meeting assistant using Kafka pipelines, processing **20K+ events/day** with fault-tolerant retries (DLQ)
- Designed **horizontally scalable architecture** with stateless services, Redis caching, and event-driven patterns
- Reduced manual note-taking effort by **70%** & achieved **200–500ms latency** using non-blocking I/O

LinkMagic - URL Shortener | *Spring Boot, React, PostgreSQL, Redis, Docker* [[Demo](#)] [[GitHub](#)]

- Engineered **high-throughput** URL shortener using Redis caching, achieving sub-ms redirects & reducing database load by **60%**
- Designed system to support **millions of redirects** with efficient key generation (Base62) and cache-first architecture
- Built real-time analytics pipeline capturing device, geo, browser, and traffic patterns; optimized queries via indexing

Insurance Eligibility & Claims System | *Spring Boot, Kafka, Redis, MySQL, OAuth2, Docker, Kubernetes* [[GitHub](#)]

- Built **distributed claims system** using microservices and Kafka handling **thousands of daily requests** with high availability
- Designed workflow automation pipelines reducing manual processing effort by **60%** and improving operational efficiency by **30%**
- Secured service-to-service communication using OAuth2, RBAC, and Spring Security in a **zero-trust architecture**

EDUCATION

Master of Computer Application (MCA) Aug 2022 – May 2024
Zeal Institute of Business Administration, Computer Application & Research Pune, India

- CGPA:** 8.25
- Relevant Coursework:** Data Structures & Algorithms, DBMS, Computer Networks, Cloud Computing, Web Technologies

CERTIFICATIONS & ACHIEVEMENTS

- Open Source Contributor:** Spring Kafka & Spring Framework (merged PRs, production impact) [[GitHub](#)]
- Published 2 research papers (IJNRD): [E-Commerce](#) & [Cyber-Crime Awareness](#)
- Agile Project Management** — Atlassian [[Certificate](#)]
- Java, SQL, JavaScript & Problem Solving** — HackerRank [[Certificate](#)]
- Solved 400+ DSA problems** on LeetCode & HackerRank; actively practicing system design