

Afzal Sulemani

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ABOUT

Results-driven Software Developer with over **3 years** of experience architecting, developing, and deploying scalable backend systems. Specializing in **Java, Spring Boot, and Microservices**, with a strong focus on **AI-driven solutions and cloud-native architectures**. Adept at leading projects in agile environments to deliver high-impact results and drive technical innovation.

TECHNICAL SKILLS

Languages: Java, Python, SQL, NoSQL, C++, JavaScript
Backend: Spring Boot, Microservices, RESTful APIs, Kafka, JPA, JOOQ
AI/ML: Generative AI, Python (Streamlit), Word Embedding Techniques
Cloud & DevOps: AWS (EC2, S3, CloudFront), Docker, CI/CD (Jenkins), Terraform, IaC
Databases: PostgreSQL, MySQL, MongoDB, Redis, Cassandra, Couchbase
Methodologies: Agile, TDD, Pair Programming, System Design

WORK EXPERIENCE

Consultant Developer - Thoughtworks **Aug 2025 - Present**

- Delivered a high-traffic, event-driven microservices architecture for a leading fintech client, improving system scalability to handle a **50% increase in transaction volume**.
- Led the rapid prototyping of a **Gen AI**-powered semantic search engine using Python and Streamlit, demonstrating a **40% improvement in information retrieval accuracy**.
- Authored and delivered an internal AI curriculum, upskilling **20+ developers** in modern AI/ML practices and fostering a culture of innovation through **TDD and Pair Programming**.

Application Engineer - Hexaview Technologies **Sep 2022 - Aug 2025**

- Led development of **3+ enterprise fintech products** handling **\$50M+ in annual transactions**.
- Architected **cloud-native solutions using AWS EC2/S3**, reducing **infrastructure costs by 22%**.
- Implemented **CI/CD pipelines with Jenkins and Docker**, achieving **95% test automation coverage**.
- Mentored **4 junior developers in Java best practices**, improving **team velocity by 30%**.

PROJECTS

Practice Intel *Technologies: Java 8, Spring Boot, AWS SES, jOOQ, JUnit, Mockito*

- Designed and implemented a **multi-tenancy architecture** from the ground up, enabling seamless and secure onboarding of multiple client organizations.
- Engineered a centralized **Master Service** for tenant lifecycle management and optimized **database connections using a dynamic hashing strategy**.
- Refactored core APIs to support fine-grained **role-based access control (RBAC)** and introduced a **Super Admin** role for system-wide management.
- Optimized complex SQL queries with jOOQ, reducing average **API response time by 35%**, and ensured code reliability with **92% test coverage**.

Korporate *Technologies: Java, Spring Boot, Microservices, Kafka, PostgreSQL*

- Architected and developed a **distributed microservices system** capable of handling **10K+ daily financial transactions** with **99.95% uptime**.
- Engineered a robust **API Gateway** serving over **5K RPM**, responsible for intelligent request routing, load balancing, and security validation.
- Integrated **Apache Kafka** to build a real-time, event-driven notification system, drastically reducing user notification latency from **2s to under 200ms**.
- Implemented **distributed caching with Redis** to optimize data retrieval for frequently accessed information, improving system performance by **40%**.

ACHIEVEMENTS

- Received the **'Pat on the Back'** award **4 times** for consistently delivering high-quality work and demonstrating exceptional dedication.
- Achieved **Top 6%** ranking on **LeetCode** by solving **1000+ problems** and maintaining a **1031-day streak**.

EDUCATION

B.Tech in Computer Science — Meerut Institute of Technology **2019 - 2023**