

JUNAID MUHAMMAD

Software Architect & Principal Backend Engineer | Cloud & Fintech Expert
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Professional Summary

Results-driven **Software Architect and Backend Tech Lead** with 10+ years of experience designing **secure, high-performance backend platforms** across **fintech, telecom, and digital banking**. Skilled in **Java, microservices, and cloud-native systems** on **Azure and Kubernetes**, I've led **API modernization, digital payment integrations, and DevSecOps transformations** serving millions of users. I'm passionate about building **scalable, compliant systems that deliver real business impact** — bridging deep technical expertise with practical leadership to get results.

Key Achievements

- Led cloud migration and modernization of **100+ APIs**, cutting vendor dependency and saving **\$117K annually**.
- Architected **Digital Retail Banking** services used by millions, boosting transaction throughput **by 50%+**.
- Enforced **enterprise security compliance** and built a DevSecOps culture, reducing vulnerabilities **by 95%**.
- Mentored and guided engineers, achieving **85%+ unit test coverage** and cleaner delivery pipelines.
- Built **Yomi, a scalable ride-hailing MVP** with **real-time** matching and payments.

Core Technical Skills

Languages & Frameworks: Java (JDK 8–17), Spring Boot, Spring (Cloud, Data, Security), Hibernate, JPA

Architecture & Platforms: Microservices, SOA,DDD, API GW, REST, SOAP, AWS, Azure, Kubernetes, Docker

Databases: PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, ElastiCache

DevOps & Tools: GitLab CI/CD, Jenkins, Maven/Gradle, Prometheus, Grafana, SonarQube, ELK Stack

Security & Testing: OAuth2, JWT, HTTPS/TLS, IAM, Cognito, JUnit, Mockito, TDD, Secure Coding

Professional Experience

Ericsson — Software Developer & Architect

June 2020 – Present | Islamabad, Pakistan

At Ericsson, I lead backend engineering for the **Ericsson Wallet Platform (EWP)**, serving fintech partners including **Telenor, Zong, and Etisalat**. I've delivered scalable, cloud-ready **microservices** that power millions of transactions daily, driving reliability and security improvements across the stack.

- Architected and delivered **fintech modules** and APIs for the Ericsson Wallet Platform.
- Migrated **100+ APIs** from third-party systems to in-house frameworks, **saving \$117K annually** and reducing latency by 40%.
- Led **Digital Retail Banking integrations**, improving transaction throughput by **50%+**.
- **Drove enterprise security and code quality as Security Master**, cutting vulnerabilities by **95%**, achieving **85%+ test coverage**, and mentoring developers on **clean code, observability, and performance optimization** to strengthen release stability.

Yomi — Software Architect

Jan 2019 – May 2020 | Islamabad, Pakistan

Led the architecture for **Yomi, a ride-hailing startup** application built on **microservices** and **cloud-native design**.

- **Designed and implemented** real-time **trip-matching, location tracking, and payment modules** on **AWS**.
- **Delivered a fully functional MVP** with live driver–rider onboarding and in-app transactions, strengthening expertise in **scalability, product delivery, and user-focused architecture**.

Concurrent Systems — Backend Developer

March 2015 – October 2018 | Islamabad, Pakistan

Built and optimized **high-availability telecom provisioning solutions** for **Jazz, Ooredoo, and Telstra**, ensuring reliable large-scale transactions.

- Automated **licensing and alerting** for Jazz Pakistan, ensuring **100% transaction validation** and faster issue resolution.
- Optimized **SMPP gateway logic**, reducing message processing time by **90%** for Telstra.
- Developed **BI and EDR tools** for revenue tracking and 3PP testing, improving efficiency and reporting accuracy.

Certifications & Education

Certifications:

- AWS Certified Solutions Architect (SAA)
- Certified Security Master – Ericsson
- Certified Kubernetes Application Developer (CKAD) – CNCF
- Scrum Foundation & Remote Work – CertiProf
- MongoDB for Developers – MongoDB University

Education: Bachelor of Computer Engineering – COMSATS University, Islamabad (2011–2015)

- **Thesis:** Developed **Compressed Sensing (CS) algorithms for MRI reconstruction**, published in ISMRM and related conferences.