

# ABDUL MOIZ

## Senior Mobile & Backend Engineer / Systems Architect

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### PROFESSIONAL SUMMARY

Performance-driven and cost-conscious **Senior Mobile & Backend Engineer** with 3+ years of professional engineering experience deploying high-availability distributed systems and premium cross-platform mobile applications at scale. Specialized in architecting low-latency backend infrastructures using Fastify and Node.js, managing complex relational databases via PostgreSQL, and horizontal data sharding utilizing Citus. Expert in engineering highly responsive mobile layers with React Native. Proven track record of scaling consumer systems to support over 100,000 active users while radically optimizing infrastructure utilization by 30%.

### TECHNICAL SKILLS

<b>Backend &amp; Infra:</b>	Node.js, Fastify, Express, Distributed Systems, Low-Cost Scalable Architecture, Load Balancing, High Availability, Caching Strategy
<b>Databases &amp; Streaming:</b>	PostgreSQL, Citus (Horizontal Scaling), MongoDB, Redis (Caching & Queues), Apache Kafka
<b>Mobile Frameworks:</b>	React Native, TypeScript, JavaScript, Native Modules, Biometrics Integration, Background Sync, Zustand, Redux
<b>DevOps &amp; Systems:</b>	Linux Server Administration (AlmaLinux, Ubuntu), Docker, VPS Management, Cloudflare Tunnel, Self-Hosted Supabase

### PROFESSIONAL EXPERIENCE

#### Lead Full-Stack Engineer | FollowPay (Fintech Rewards Platform) Jun 2024 - Present

- Solely architected and scaled the end-to-end distributed backend infrastructure and mobile stack to support **100,000+ active installs** on the Google Play Store with a 99.9% operational uptime rate.
- Designed a high-concurrency PostgreSQL database model utilizing automated query profiling, connection pooling, and transactional optimization, improving query processing efficiency by **30%** under concurrent load spikes.
- Engineered a production-ready React Native mobile application with custom native module integrations, maintaining a consistent **60 FPS** execution layer while decreasing application cold-start durations by **28%**.
- Implemented a multi-layer Redis caching strategy that systematically cut downstream API latency rates by **40%** and successfully reduced monthly infrastructure operating expenditure overhead by **30%**.

#### Technical Lead & Systems Architect | Independent Consulting Jan 2025 - Present

- Architecting and delivering core highly decoupled systems for **3+ consumer-facing platforms**, managing deployment pipelines serving thousands of concurrent operations on high-availability Linux infrastructures.
- Developed production-ready microservices inside the Fastify ecosystem, driving core route runtime constraints to sub-millisecond execution speeds under target high parallel request tests.
- Designed transactional data pipelines utilizing Apache Kafka for robust asynchronous event streaming and decoupled inter-service communications, reducing transaction failures down to **0%**.

#### React Native Developer | Freelance & Contract Feb 2023 - Jun 2024

- Programmed and delivered modular React Native codebases, incorporating biometric authentication modules and custom background synchronization tasks across **5+ shipped consumer applications**.
- Constructed lightweight REST and WebSocket API servers within the Node.js environment, serving real-time state configurations to frontends with consistent sub-100ms response metrics.
- Collaborated with design and commercial management teams to turn abstract requirement wireframes into production modules, hitting **100%** of client technical target timelines.

## CORE PROJECTS PORTFOLIO

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### Alo — Global Connectivity Platform (getaloapp.com)

*Stack: Node.js, Fastify, PostgreSQL, React Native, Apache Kafka, Linux VPS, Real-Time Webhooks*

- Engineered an automated telecom resource orchestration platform handling high-volume instant webhook handling and dynamic distributed global routing configurations safely.
- Constructed isolated background worker loops that parse live plan allocations, updating consumer status counters in under **500ms** while reducing target database lookup processing strain by **50%**.
- Completed comprehensive load testing procedures under intense load setups, verifying **100%** production readiness ahead of public store rollout.

## EDUCATION & CONTINUOUS SELF-DEVELOPMENT

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- **Self-Taught Systems Expert:** Driven by rigorous independent research into Advanced System Design, Distributed Ecosystems, Multi-Tenant Database Scaling (PostgreSQL + Citus), and bare-metal server optimization models.
- **Future Engineering Roadmap:** Actively training and expanding core competencies into declarative cloud-native DevOps/SRE procedures and Kotlin Native mobile frameworks.