M. MOHSIN ALI

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+92-332-598-7829

Mobile, Platform & IoT Engineering Lead
System Architecture | Android, iOS, Cloud

Islamabad, Pakistan | Open to relocation
LinkedIn: linkedin.com/m-mohsin-ali-
Portfolio: behance.net/mohsinali-

👤 ABOUT ME

Senior Mobile and Platform Engineering Lead with 8+ years of experience building scalable mobile, backend, and cloud-integrated systems. Experienced in native Android and iOS development, DevOps automation, CI/CD, modular system architecture, cross-platform integrations involving IoT and distributed services.

Strong background in performance optimization, secure client-server architecture, and production-scale systems serving 1M+ users. Proven ability to lead cross-functional teams, define technical strategy, and deliver high-reliability software across mobile, web, and cloud environments.

⚙ SKILLS

Mobile Engineering
Android: Kotlin, Java, Jetpack, Android TV
Architecture & DI: Hilt, Dagger, Koin, Modular design
iOS: Swift, SwiftUI, Objective-C
Cross-platform: Flutter / JS Bridge
Performance & Optimization: Firebase, Google APIs, ProGuard/R8, DexGuard

Backend & Cloud
Node.js, RESTful APIs, MongoDB
AWS: EC2, Serverless architectures
GCP / Firebase: Cloud Functions, Auth, Firestore, FCM, Azure DevOps

DevOps & CI/CD
CI/CD pipelines, Docker, release automation
PM2 process management, zero-downtime deployments, Monitoring, logging & uptime optimization. Git, GitHub, Bitbucket

AI & Intelligent Systems
OpenAI API integrations, generative AI workflows. ML Kit, TensorFlow Lite, Dialogflow. AI-assisted home and workplace automation & productivity tooling

IoT & Embedded Systems
Arduino, ESP8266 / ESP32
AWS IoT Core, secure D2C integration, MQTT-based communication
Sensor data acquisition & real-time telemetry, BLE. automotive communication protocols including CAN bus and K-line

Architecture & Engineering Practices
Modular architecture, SOLID principles
Multi-tenant system design
API standardization & client-server contracts, Unit testing, TDD, Espresso
Agile/Scrum

Additional Engineering Experience
C#, WPF, Xamarin, Scheduled services & cron-based automation

💼 EXPERIENCE

MOBILE ENGINEERING LEAD
Neuron Solutions

Feb 2019 – Present | Islamabad, PK

- Increased delivery speed by 35% and led a cross-functional mobile team
- Drove requirement gathering with clients and translated needs into scalable mobile apps.
- Built native Android (Kotlin/Java) and iOS (Swift) apps with 99% crash-free sessions.
- Led platform strategy for OTT, Telehealth, fintech, security, IoT and smart energy products.
- Took responsibility for planning, execution, and stakeholder alignment.
- Accelerated CI/CD pipelines with Azure DevOps, reducing release time by 80%.
- Standardised API and documentation practices with backend teams, reducing integration issues.
- Mentored junior engineers improving code quality and reducing QA rejections.
- Progressed from Senior Software Engineer to Mobile Engineering Lead and Project Manager over 7 years.

Notable Projects

- Begin.Watch (PSL/Pakistan Idol) OTT VOD & Live Streaming platform, 50K+ installs in 3 months. Built on AWS with DRM (Widevine, FairPlay). Apps: Native Android (Mobile/TV) and iOS.
- MiniMoney: Freelancing platform scaled to 15K+ users in 6 months. Integrated JazzCash & Easypaisa payments. App: Android
- Multi-app ecosystem (Customer, Store, Rider) with live tracking. Improved order efficiency by 45%. App: Android
- UKIM Web & mobile donation platform and impact tracking system. App: Android
- Pakistan Research Database: National research access platform for institutions and professionals. App: Android
- CareerGuidance: Pakistan's first mobile career counseling platform. App: Android
- Tarjuman: Interactive magazine & audiobook app with immersive reading and listening. App: Android
- LifeLine: Volunteer based emergency response platform built during Covid-19.
- LES Energy: Smart energy management app using blockchain and ML on Microsoft Azure.
- NVNTRI: Multi-store inventory management app for Daraz retailers.

DEVOPS TECHNICAL LEAD
Marche Tech Studio

Dec 2020 – Apr 2022 | Charlottetown, PEI | Remote

- Led DevOps and infrastructure management for fintech and marketplace projects targeting Canada and Pakistan, supporting scalable systems for over 10,000 active users across Android and Web platforms.
- Designed scalable backend and deployment architecture for cross-platform systems supporting mobile and web clients
- Built CI/CD pipelines for web and mobile, boosting deployment stability by 60%
- Implemented monitoring systems that minimized downtime and ensured 99.9% uptime.
- Refactored legacy codebase using SOLID principles, cutting technical debt by 30%
- Ensured smooth collaboration between development and operations teams to meet platform growth demands.

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💼 EXPERIENCE

TEAM LEAD MANAGER

SectemTechnologies

Jun 2017 – Jan 2019 | Islamabad, PK

Ⅎ Oversaw Android and iOS teams of 4 engineers, delivering production apps with 10k+ combined users in ride-hailing, fleet management, healthcare, and food delivery and e-commerce.
Ⅎ Improved retention by 20% through UI/UX redesigns using Material and Apple design systems and accessibility features.
Ⅎ Cut release cycles in half from 4 weeks to 2 weeks by enforcing agile practices and code reviews.

PROJECTS

Ⅎ PROOF mobile platform, which simplifies drug and alcohol testing processes. App: Android | iOS
Ⅎ FastRide (Uber-style app), Doctor Sahab (telehealth, 5k+ patients).
Ⅎ Sajjen Food Apps (multi-role ordering/delivery).

SOFTWARE ENGINEER

ContentStudio.io | D4Interactive

Mar 2018 – Nov 2018 | Islamabad, PK

Ⅎ Developed and Launched ContentStudio Android app, reaching 10k+ installs in months. App: Android
Ⅎ Integrated 5+ social media APIs (Facebook, Instagram, LinkedIn, Twitter, Google+)
Ⅎ Implemented application security best practices and communication encryption (TLS/SSL, OWASP, AES) to safeguard data and ensure compliance.
Ⅎ Built cross-platform automation, boosting DAUs by 30%.

SOFTWARE DEVELOPER INTERNSHIP

Wanclouds Inc.

Jan 2017 – Jun 2017 | Islamabad, PK

Ⅎ Developed back-end solutions utilizing Docker, OpenStack, and cloud computing technologies.
Ⅎ Built front-end web applications with React.js, Node.js, HTML5, CSS, and jQuery.
Ⅎ Implemented Intel Hardware Security features, enhancing system integrity and security
Ⅎ Explored Docker and CI/CD pipelines to streamline development and deployment workflows.
Ⅎ Worked in Scrum Agile with daily standups and sprint planning.

MOBILE DEVELOPMENT INTERNSHIP

RAILSSHARK Technologies

March 2016 – Dec 2016 | Islamabad, PK

Ⅎ Built multiple Android/iOS apps for e-commerce and retail.
Ⅎ Improved checkout flow, reducing cart abandonment by 18%.

🎓 EDUCATION

BACHELORS IN COMPUTER SCIENCE

Comsats University Islamabad | 2013 – 2018

🏆 ACHIEVEMENTS

50+ apps published across Play Store and App Store serving 1M+ users worldwide.

Civic Hackathon 2020 (2nd Place): Built MVP in Android/iOS + web app for waste oil recycling in 6 days. App: Android | DevPost

FAST NUCES Softec 2018 (Runner-up): Developed a mobile app MVP with blockchain integration for a competition sponsored by VentureDive.