

GULRAIZ ALI

Senior Android Engineer | Lead Mobile Application Developer

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Professional Summary

Senior Android Engineer with **9+ years of experience** designing and delivering scalable, high-performance mobile applications for 1M+ users. Expert in **Android, Kotlin, Jetpack Compose, and Clean Architecture (MVVM/MVI)**, with 5+ years **leading distributed teams remotely**, mentoring engineers, and owning end-to-end feature delivery for fintech, banking, and enterprise apps. Skilled in secure, production-ready solutions, modular architectures, CI/CD pipelines, and cross-functional collaboration in fully remote environments.

Recent Work Experience

Saudi Telecom Co. (AppsGenii, Pakistan | Remote Client)

Jul 2023 – Present

Senior Android Developer

- Led **remote Android development** for **STC Pay Kuwait & Bahrain**, delivering **multi-modular fintech wallets** with transfers, card management, bill payments, and online shopping.
- Secured **Mastercard approval**, aligning with compliance, encryption, and performance standards, **reducing transaction costs by 20%**.
- Built **reusable payment SDK and custom UI Kit**, cutting integration and feature rollout time by **50%**.
- Applied **Clean Architecture (MVVM), modularization, Kotlin, and Hilt**, managing **build variants, Conventional Plugin setup, and 16KB issue fixes** for stable, scalable releases.
- Implemented **bank-grade security** with **NDK, AES/RSA encryption, Keystore, SecureSharedPreferences, TLS/Certificate Pinning, and ProGuard/R8**, reducing vulnerability reports by **60%**.
- Enabled seamless in-app language switching for **6 languages**, supporting **500K+ active users** without app restart.

Seer Solutions (Remote Contractual)

Jun 2024 – Dec 2025

Advanced Mobile Solutions Engineer (Formerly Senior Mobile Solution Engineer)

- Architected and delivered** Kuraimi Jawwal (KJ) apps for **remote teams**, enabling **multi-currency transfers** and high-volume transactions (**1M+ downloads, 138K+ reviews**).
- Designed secure financial modules** for Kuraimi Islamic Bank (KIB) with **biometric login, dual-layer encryption, Keystore, SSL pinning, obfuscation, build variants, and NDK hardening**, reducing **fraud risk by 40%**.
- Revitalized mFloos Customer & Agent apps**, migrating UI to **Jetpack Compose**, optimizing workflows, implementing **offline/SMS functionality**, and **multi-lingual support**, improving usability by **25%**.
- Maintained CI/CD pipelines** with Azure DevOps, accelerating release cycles and enabling **automated, reliable deployments**.
- Integrated financial services** including **ATM, Mastercard, Kuraimi Express transfers, merchant payments, and bill payments**, delivering **secure, scalable, production-ready apps**.
- Coordinated remotely** with backend, QA, and product teams to ensure **high-performance, user-centric solutions** across all banking apps.

Eco Web Portals, Pakistan

Dec 2020 – Jul 2023

Lead Mobile Developer

- Engineered 5+ mobile applications** for **government entities**, streamlining public services and improving operational efficiency for over **20,000 officers**.
- Modernized legacy apps** by migrating to **Kotlin and Jetpack Compose**, improving **code maintainability** while shrinking **codebase size by ~40%**.

- Reduced **crash rate** by 25% by migrating legacy codebases and implementing rigorous testing (**JUnit, Espresso**).
- Managed **Android team** in **agile sprints**, driving ~50% faster **release cycles** and improved **code reliability** through mentoring and structured reviews.

CHISEL – Lahore University of Management Sciences, PAKISTAN
 Technical Team Lead (Formerly Android Developer)

Sep 2016 – Dec 2022

- **Spearheaded 16+ cross-platform projects (Android, iOS, Web)** across **health, education, and culture domains**.
- **Collaborated** with **Harvard** and **MIT** on a **cognitive health app** for **migraine tracking**, piloted with **100+ users** to support **behavioral insights** and **early intervention**.
- **Released bilingual heritage apps** for **Taxila Museum** and **Kalasha**, with **UNESCO** and **Swiss Embassy** support; engaged **100K+ annual visitors** via **360° tours** and **QR-based cultural guides**.
- **Launched the EAST gamified learning platform** for **special needs education**, funded by **Mitsubishi** and used by **100+ children** across pilot schools.

Education

Master's in Computer Science, Riphah International University
 CGPA: 3.77 / 4.00 (**Position Holder**)

2021 – 2022

Bachelor of Science in Computer Science, University of Central Punjab
 CGPA: 3.88 / 4.00 (**Gold Medalist**)

2013 – 2017

Skills

Programming & Languages: Kotlin, Java, SQL, XML, JSON

Frameworks & UI: Jetpack Compose, Android SDK, Material Design, ConstraintLayout, ViewBinding, ViewPager2

Architecture & Patterns: MVVM, MVI, Clean Architecture, MVP, MVC, VIPER, Modularization

Networking & Data: Retrofit, OkHttp, Room, SQLite, Firebase (Messaging, Analytics, Remote Config), Paging 3

Security: SSL Pinning, Keystore, AES/RSA Encryption, NDK, Emulator/Root Detection, Frida Prevention

Build, CI/CD & Tools: Gradle, Bitbucket, Git, GitHub, GitLab, CI/CD Pipelines, Dagger Hilt, Koin, Build Variants

Testing & Quality: JUnit, Espresso, Mockito, Robolectric, Unit & Instrumentation Testing, Crashlytics

SDKs & Integrations: Google Maps, Facebook SDK, Intercom, Jumio, CameraX, Coil, Glide, Lottie

DevOps & Collaboration: Azure Boards, Jira, Trello, Wrike, Slack, Zoom, Microsoft Teams, Google Meet

Concurrency & Reactive: Coroutines, Kotlin Flows, StateFlow/SharedFlow, RxJava, LiveData, Threads, WorkManager

Soft Skills: Cross-functional leadership, Agile planning, Deadline ownership, Remote team collaboration, Mentorship

Languages: English (Professional), Urdu (Native)

Key Projects

Kuraimi Jawwal (Seer Solutions): Mobile banking platform with ATM, Mastercard, and encrypted financial operations.

STC Pay Kuwait (STC): Fintech app for wallet, card services, cashback, and transaction history in Kuwait.

KIB Islamic Bank (Seer Solutions): Shariah-compliant banking app with encrypted transactions.

mFloos – Customer (Seer Solutions): Bilingual wallet app for Yemen.

mFloos – Agents (Seer Solutions): Agent-side app for deposits, remittance payouts, and multilingual account setup.

STC Pay Bahrain (STC): Fintech app for Bahrain.

Stockify (Eco Web Portals): Real-time stock tracking app with alerts and offline caching.

Meta Android Certificate (Coursera): Global Android development program for 28K+ learners.

Migraine App (CHISEL – MIT/Harvard): Health app for migraine tracking.

Taxila Museum (UNESCO & Swiss Embassy): Tourism application for Taxila Museum, Pakistan.

HUMQADAM: An app for anonymous reporting and alerts in cases of gender-based violence, used by NGOs.