MUHAMMAD INAM UL HAQ

Mobile Application Engineer (Native Android/iOS)

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EDUCATION

University of Agriculture, Faisalabad **Sept 2015–Sept 2017**
M.Sc. Computer Science

TECHNICAL SKILLS

Programming Languages: Kotlin, Java, SQL, Swift
Android Development: Native Android Development, Android SDK, Android Studio, Android Jetpack, Jetpack Compose, XML Layouts, LiveData, ViewModel, Navigation Component, WorkManager, Paging 3
Frameworks & Libraries: Retrofit, Volley, Room, SQLite, Hilt, Dagger, TensorFlow, OpenCV, Google ML Kit, Google Maps SDK
Architecture & Design Patterns: MVVM, MVP, MVC, Clean Architecture, Modular Architecture, Repository Pattern, Dependency Injection, SOLID Principles
Backend & API Integration: RESTful APIs, JSON, API Integration, WooCommerce APIs, SAP Integration, Third-Party Service Integration
Firebase & Cloud Platforms: Firebase Authentication, Cloud Firestore, Crashlytics, Remote Config, Analytics, AWS Cloud
Development Tools: Git, GitHub, Figma, Jira, CI/CD, Google Play Console, Firebase Console
Mobile Platforms: Android (Native), iOS (Learning), Huawei App Gallery
iOS Technologies: Swift, UIKit
Development Practices: Agile, Scrum, Code Reviews, Play Store Compliance, Application Debugging, Performance Optimisation
Professional Skills: Requirement Gathering, Technical Problem Solving, Team Collaboration, Mentorship, Cross-functional Communication, Remote Team Coordination

PROFESSIONAL EXPERIENCE

Senior Mobile Developer — Ultranet Global, Islamabad **September 2025 – Present**

Develop and maintain GlobTalk, a telecom Android application enabling international calling, eSIM purchases, voice bundles, payments, and account management across Google Play and Huawei AppGallery. Implemented SIP calling with PJSIP, secure audio transport, call-state tracking, and payment/eSIM workflows using Stripe, Easypaisa, and mobile money, supporting customer access to communication services. Built a reusable Silent Network Authentication (SNA) SDK to simplify operator-based, SMS-free number verification for integrating apps; engineered cellular-bound networking, secure requests, retries, and analytics. While operator-side verification remains pending. Also contributed to the Flash Call project. Stack: Kotlin, MVVM, Hilt, Coroutines, Retrofit, OkHttp, Room, WorkManager, Firebase, Huawei SDKs, Mixpanel, GitHub Actions, and Gradle. Collaborate with backend, QA, payments, Asterisk, and Media Core teams on secure releases.

Android/iOS Developer — Innovo Technologies, Islamabad **October 2023 – August 2025**

Developed enterprise Android applications for a Saudi Arabian beverage and water business, digitizing field workflows for drivers, sales representatives, supervisors, and distributors. Translated operational requirements into role-based features that connected frontline activities with enterprise services, including REST APIs, SAP integrations, and Bluetooth printing. Implemented on-device bottle detection using a YOLOv5 TensorFlow Lite model trained with Roboflow data and supported by ML Kit, enabling image-based recognition within mobile workflows. Contributed to modular application architecture, production support, debugging, testing, release management, and code reviews while coordinating with product, backend, QA, and business teams. Stack: Kotlin, Java, MVVM, Coroutines, Repository Pattern, Dependency Injection, SAP, REST APIs, TensorFlow Lite, YOLOv5, Roboflow, ML Kit, Firebase, and Git.

Android Developer — Contract via Sofit & Hura Tech

November 2020 – November 2022

Owned the development and commercial lifecycle of Android utility apps under contract via Sofit & Hura TechTech, from product research and UI design to Google Play publishing, monetization, and maintenance. Built PDF reader, scanner, screenshot, tracking, and productivity applications for consumer use, including a PDF reader that generated Play Store installations and revenue. Integrated AdMob advertising, Google Play Billing, in-app purchases, and subscriptions to support multiple revenue models. Used analytics, user reviews, and Crashlytics to prioritize fixes and improve stability and device compatibility; reported approximately 30% faster startup and loading after architecture and performance optimization. Managed store compliance, release updates, and post-launch support. Stack: Java, Kotlin, Firebase, AdMob, Google Play Billing, Crashlytics, and Google Play Console.

Android & Web Developer — YFC Solution, Rawalpindi

December 2018 – November 2020

Developed Android and web solutions for retail and internal operations, including 16Sixty (UK apparel) and RomoCharLay (food and beverages), supporting online catalogues, ordering, and checkout. Built a PHP/MySQL administration portal for a VoIP tuition-management operation, covering scheduling, attendance, users, and staff workflows. Integrated WordPress, WooCommerce, REST APIs, and JSON to connect mobile and web services, supporting customer transactions and day-to-day administration.

Intern Android Developer — Bizventure Marketing, Islamabad

January 2018 – July 2018

Built Android features for Gwadar Land Sale and Purchase, Aquatic Mall, and retail e-commerce applications, supporting property discovery, installment calculations, product catalogues, and customer workflows. Developed XML interfaces, integrated REST/JSON APIs, and supported PHP/MySQL backend services and database schemas. Assisted with testing, debugging, and maintenance while gaining hands-on experience delivering business-facing Android products using Java and the Android SDK.

Mobile Application Developer — Freelancer

Project-based | International clients

Delivered mobile solutions for international clients across medical IoT, social engagement, and ride-hailing, translating commercial requirements into usable Android and iOS functionality. For ALBERS, built BLE/GATT connectivity with STM32 medical hardware, including device authentication, telemetry, pump controls, safety-related workflows, and fault reporting to support connected-device operation. For Social, implemented features, REST API integrations, and Firebase data management for event planning, updates, and user interaction. For Birmingham-based Navhoo, contributed to Rider and Driver apps covering onboarding, bookings, GPS tracking, fares, payments, and trip states, supporting the full ride lifecycle. Collaborated remotely with clients, backend teams, and product stakeholders on integration, troubleshooting, and releases. Stack: Kotlin, Java, Swift, SwiftUI, Android SDK, BLE/GATT, MVVM, Firebase, Google Maps, REST APIs, and Git.

PROJECTS

GlobTalk — Telecom & Digital Communication

GlobTalk

Market: Telecommunications, international calling, eSIM and digital payments

Developed and maintained a native Android telecom application supporting international calling, eSIM purchasing and activation, voice bundles, account management, and regional payments. Implemented SIP calling with PJSIP, secure media transport, call-state management, and multi-flavour distribution for Google Play and Huawei AppGallery. Integrated Stripe, Easypaisa, mobile money, Firebase, and Huawei services. Business impact: Enables customers to purchase and manage communication services through a unified mobile platform, supporting digital service delivery and monetisation.

Tech Stack: Kotlin, MVVM, Hilt, Coroutines, Retrofit, OkHttp, Room, WorkManager, PJSIP, Firebase, Huawei SDKs, Gradle.

SNA SDK — Silent Network Authentication

Market: Telecom authentication, mobile identity, fintech and SDK integrations

Developed a reusable Android SDK for Silent Network Authentication (SNA), designed to verify mobile numbers through operator networks without SMS OTP. Implemented cellular-network binding, secure API communication, retry handling, typed errors, Kotlin/Java interoperability, and optional Mixpanel analytics. Validated the library with 70 unit tests and four on-device tests, alongside automated CI and API compatibility checks. Business impact: Designed to reduce SMS verification dependency, simplify integration for partner applications, and support more seamless customer onboarding.

Tech Stack: Kotlin, Coroutines, Android ConnectivityManager, Retrofit, OkHttp, TLS, Mixpanel, JUnit, MockWebServer, Gradle, GitHub Actions.

Flash Call — Telecom Verification

Market: Telecom authentication, mobile identity, fintech and SDK integrations

Contributed to the Flash Call project within Ultranet Global's telecommunications product portfolio. The project is associated with telecom services and mobile verification. Business impact: Specific customer benefits, implementation responsibilities, and commercial outcomes require confirmation.

Saudi Enterprise Distribution & Sales Applications

Market: FMCG, beverage distribution, enterprise mobility and field operations

Developed enterprise Android applications supporting drivers, sales representatives, supervisors, and distributors for a Saudi beverage and water business. Implemented role-based workflows, SAP-connected REST APIs, Bluetooth printing, and modular mobile architecture. Built an on-device bottle-detection feature using a YOLOv5 TensorFlow Lite model and Roboflow training data. Business impact: Digitised field operations, connected mobile users with enterprise systems, and enabled image-based recognition within operational workflows.

Tech Stack: Kotlin, Java, MVVM, Coroutines, SAP, REST APIs, Bluetooth, TensorFlow Lite, YOLOv5, Roboflow, ML Kit, Firebase.

ALBERS — Medical IoT Application

Market: Healthcare technology, connected medical devices and IoT

Developed enterprise Android applications supporting drivers, sales representatives, supervisors, and distributors for a Saudi beverage and water business. Implemented role-based workflows, SAP-connected REST APIs, Bluetooth printing, and modular mobile architecture. Built an on-device bottle-detection feature using a YOLOv5 TensorFlow Lite model and Roboflow training data. Business impact: Digitised field operations, connected mobile users with enterprise systems, and enabled image-based recognition within operational workflows.

Tech Stack: Kotlin, Java, MVVM, Coroutines, SAP, REST APIs, Bluetooth, TensorFlow Lite, YOLOv5, Roboflow, ML Kit, Firebase.

Navhoo — Rider & Driver Applications

Market: Transportation, mobility and ride-hailing | Birmingham, UK

Contributed to Rider and Driver Android applications for a Birmingham-based ride-hailing platform. Implemented and maintained onboarding, ride booking, GPS tracking, route selection, trip statuses, fares, notifications, and payment-related workflows. Integrated backend APIs and resolved location, UI, and application-state issues. Business impact: Supports the complete ride-booking lifecycle, connecting passengers with drivers and enabling trip coordination through mobile applications.

Tech Stack: Java, Android SDK, XML, REST APIs, Google Maps SDK, GPS, Firebase, Git.

Social — Social Engagement & Event Planning


Social

Market: Social networking, lifestyle and event planning

Developed Android application features for a social and plan-management platform, supporting event organization, user updates, attraction discovery, and social interaction. Integrated REST APIs, managed Firebase data, and collaborated with backend developers to implement and test application functionality. Business impact: Supports user engagement and coordinated social activities through a single mobile platform.

Tech Stack: Android SDK, REST APIs, Firebase, Git. Additional implementation technologies to confirm.

Android Utility Applications — Consumer Products

Market: Consumer productivity, document management and mobile utilities

Developed, published, and monetised Android utility applications, including PDF readers, scanners, screenshot tools, and productivity apps. Managed product development, Google Play publishing, advertising, subscriptions, analytics, and post-release maintenance. Applied user feedback and crash reporting to improve reliability and usability. Business impact: Generated consumer app installations and revenue through advertising and in-app monetisation, while supporting ongoing product maintenance.

Tech Stack: Java, Kotlin, Firebase, AdMob, Google Play Billing, Crashlytics, Google Play Console.

CERTIFICATION & AWARDS

Android Development — **2017**

Career Institute | Faisalabad

Commitment and Dedicated Service — **2018**

Bizventure Marketing, Islamabad