Muhammad Hassan Jamil

React Native & Agentic AI Developer | Mobile Application Developer | Android | iOS
Dubai, UAE

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Professional Summary

Results-oriented React Native Developer with 10+ years of experience delivering performant, cross-platform mobile applications using **React Native**, **Android**, **iOS**, **and Kotlin Multiplatform.** Adept at building modular app architectures, integrating with cloud platforms (**Firebase**, **AWS**), and **deploying to Google Play & App Store.** Proven ability to lead agile teams, optimize mobile UX, and ship production-grade apps, in education, real estate, maps/location and IoT domains. Passionate about scalability, code quality, and developer/user experience. I recently added **Agentic AI Development** skills to help businesses **transform their solutions into autonomous systems**. Residing in the UAE, I am currently open to new opportunities aligned with my skills and capabilities. I am willing to relocate and can join immediately.

Technical Proficiencies

- **React Native** (**TypeScript**, **JS ES6, Expo**, **CLI**) - 4 years
- **Android** (**Kotlin**, Java/XML, **Jetpack Compose, Clean Architecture, MVVM**) - 7+ years
- **iOS** (**Swift**, Storyboard, SwiftUI) - 1 year
- **AI Engineer** (**Python**, **OpenAI Agents SDK**, **LangGraph, MCP,** CrewAI, AutoGen) - 6 months
- **Kotlin Multiplatform** (**Kotlin**, **Compose Multiplatform**) - 6 months
- **Backend** (**NestJS, PostgreSQL, Swagger**) - 6 months

Achievements

- Launched **the UAE's Emirates Driving Institute** App with <1% crash rate and full native integration.
- Reduced the **UAE's BrokerBlocker** (**first spam call blocking solution**) latency by 60% at **100 Percent Property** by refactoring REST and caching logic, and integrated a subscription-based business model.
- Developed and scaled **Pakistan's first native mapping solution (TPL Maps)** to **1M+ downloads** and **Mobile SDK for business** as the country's very own map and location-based solution.

Professional Experience

Senior Software Developer

Lorenzé – Ajman, UAE

Nov 2025 – Present

- Single-handedly architecting and developing the whole software solution for the business.
- Covering the solution for all 3 platforms, e.g., **Backend**, **Mobile,** and **Web Front End** (Customer, Admin)
- Choose **NestJS**, **Prisma,** and **PostgreSQL** for the **backend**, **React** and **NextJS** for the **web frontend**, and **React Native** for **mobile**.
- Architected the scalability to support **AI** (**integrating autonomous components**) in **Phase II**.
- Using **AI coding assistants** to get the benefit of **enhanced productivity**, while taking the quality measures.

React Native Mobile Developer

Brixio – Dubai, UAE

Jul 2023 – Aug 2025

- Architected and developed **the mobile app** for [**Emirates Driving Institute**](#) using **React Native** (New Architecture).
- Improved performance by 40% with new architecture, implementing Redux, and optimizing hooks along with asynchronous logic.
- Managed complex business logic into reusable functions and established a centralized global state.
- Released production builds to App Store/Play Store with crash rates below 1%.
- Orchestrated backend interactions using .NET and Firebase workflows

Senior Mobile Application Developer

100 Percent Property – Dubai, UAE

Apr 2022 – Mar 2023

- Delivered [**BrokerBlocker**](#) **mobile app** on **Native Android/iOS** to help real estate client brokers avoid getting spam calls and limit the interaction to just whitelisted contacts.
- Enhanced performance and security, reducing latency by 40%.
- Orchestrated backend interactions using .NET and Firebase workflows.
- Aligned feature development with business KPIs in agile sprints
- Worked directly with the business owner, integrated the requirements directly into the system in real-time.

Senior Android Developer (Remote, Part-time)

Aquatic AV – San Jose, CA

Aug 2021 – Oct 2021

- Developed an IoT Bluetooth Native Android app for marine, powersports, and Spas to provide premium audio and lighting systems.

- Built custom UI and pairing logic, increasing engagement by 20%, developed some beautiful UI widgets, e.g., temperature knob and RGB controller.

Team Lead & Senior Android Developer

TPL Maps – Islamabad, Pakistan
Jul 2015 – Jan 2022

- Managed team of 6; led development of TPL Maps app (country's first mapping solution).
- Integrated advanced geolocation, offline mapping, routing, and turn-by-turn real-time navigation features.
- Created SDK for 3rd-party integration into local businesses' apps.

Android Developer

Magma Systems – Islamabad, Pakistan
Mar 2014 – Jun 2015

- Built 5+ location-based apps with responsive UI, Firebase, and Google Maps integration, for automobile, pet community, tourism, map, and location domains.
- Developed a sensor-based Android phone application to generate vehicle test reports, which was successfully delivered by integrating a lot of complex mathematical computations.
- Developed and deployed an app, helping UK citizens to find their pets, broadcasting notification-based alerts to nearby users/community.

Notable Projects

EDI-iCademy App
Tech: React Native CLI + New Architecture
Student app with onboarding, enrollment, scheduling, payments, notifications, and integration of configurable business data.
iOS: https://apple.co/3LAVM28
Android: https://bit.ly/4hwdTSW

TPL Maps App & SDK
Android (Kotlin/Java)
Pakistan's first very own mapping business solution with offline maps and live navigation.
SDK: https://bit.ly/4nFrOYw
Android app: https://bit.ly/3WvwAMT

BrokerBlocker.ae
Android/iOS
Spam call blocking and a real estate engagement platform.
Android: https://bit.ly/4oenNuT
iOS: https://apple.co/4oenT5J

Skills (Tools & Libraries)

React Native
- JS (ES6), JSX, Typescript, JavaScript
- Functional Programming, Hooks, Promise, Asynchronous functionality
- Redux Toolkit, Context API, Async Storage
- RN Paper, MUI, Axios, Firebase, i18n, RN Vision Camera, Maps

Android
- Java, Kotlin
- Jetpack Compose, Coroutines
- MVVM, Retrofit, Room, Hilt
- Firebase (Analytics, firestore, cloud messaging)
- GPS Location (Foreground/Background), Mapbox, Google Maps, Esri, Tangram

iOS
- Swift
- Storyboard, SwiftUI, APNS

Deployment
- TestFlight, App Store
- Firebase internal Sharing, Google Play Console (Alpha/Beta and Production)

Agentic AI Development
- Python, AsyncIO, async-await, Gradio, StreamLit
- Agentic AI
- Multiple Agent Orchestration
- OpenAI Agents SDK, LangGraph, CrewAI, AutoGen, MCP

Backend
- NestJS
- PostgreSQL, Prisma, Swagger

Education & Certifications

- **Bachelor of Science in Computer Science (Bronze Medalist)** – PMAS Arid Agriculture University, Feb 2014
  https://bit.ly/4oHRKU8
- **React Native - The Practical Guide** – Udemy, Apr 2023
  https://bit.ly/47MLWTB
- **The Complete Agentic AI Engineering Course** – Udemy, Oct 2025
  https://bit.ly/430HLky
- **Agentic AI Fundamentals: Architectures, Frameworks, and Applications** – LinkedIn, Jun 2025
  https://bit.ly/47icZ9m
- **Designing Agentic AI Products (No Code Required)** – LinkedIn, Jun 2025
  https://bit.ly/3JjQSGj
- **Building Agents with Vertex AI** – LinkedIn, Jun 2025
  https://bit.ly/4hyqBk9