# Muhammad Hassan Jamil

React Native & AI Developer | Mobile App Engineer | Agentic AI Engineer
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 location, real estate, and IoT domains. Passionate about scalability, code quality, and developer experience. I recently added **Agentic AI Development** skills to help businesses **transform their solutions into autonomous systems**. Based in Dubai, 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**)
- **Android** (**Kotlin**, Java, **Jetpack Compose, Clean Architecture, MVVM**)
- **iOS** (**Swift**, Storyboard, SwiftUI)
- **AI Engineer** (**Python**, **OpenAI Agents SDK**, **LangGraph, MCP,** CrewAI, AutoGen)
- **Kotlin Multiplatform** (**Kotlin**, **Compose Multiplatform**)

## 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

### React Native Mobile Developer

**Brixio – Dubai, UAE**

Jul 2023 – Aug 2025

- Architected **Emirates Driving Institute mobile app** 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 pieces 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.ae app on Android/iOS to help real estate client brokers avoid getting spam calls and limit the interaction with just whitelisted contacts.
- Enhanced performance and security, reducing latency by 40%.
- Aligned feature development with business KPIs in agile sprints.

### Senior Android Developer (Remote, Part-time)

**Aquatic AV – San Jose, CA**

Aug 2021 – Oct 2021

- Developed an IoT Bluetooth 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 Trakker – Islamabad, Pakistan**

Jul 2015 – Jan 2022

- Managed team of 6; led development of TPL Maps (Pakistan'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

### Emirates Driving Institute (EDI)
*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

## 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/43OHLky
- **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