

Abdul Haseeb Shaikh

Senior Mobile Software Engineer

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Professional Summary

Senior Mobile Software Engineer with 4+ years architecting high-reliability, production-ready mobile systems using React Native, TypeScript (Type Safety), Kotlin (Android), and Swift (iOS). Managed complete mobile lifecycles for platforms reaching over 2.1M cumulative downloads (1.4M+ Android, 700K+ iOS) with over 70% active engagement. Expert in Clean Architecture, performance optimization, memory profiling, offline-first data sync, background tasks, and cross-platform native engineering, with results including 45% crash-rate reduction, 300% query speedup, and administrative processing latency reduced from 7 days to 15 minutes.

Technical Skills

- Languages:** TypeScript (Type Safety), JavaScript (ES6+), Kotlin, Swift, SwiftUI, Java, C++, SQL, Bash
- Mobile & Frontend Frameworks:** React Native, React.js, Android SDK, Core Animation, Redux Toolkit, Atomic State Updates, Context API, MMKV, SQLite, PouchDB
- Backend & Architecture:** Node.js, Express.js, Clean Architecture, MVVM, Dependency Injection, Offline-First Syncing, RESTful APIs, WebSocket integration (Socket.io), Background Tasks, RTL Localization
- Tools, Testing & DevOps:** React Native DevTools, Flipper, Android Studio, Xcode, VS Code, Git, CI/CD, Fastlane, TestFlight, App Store Connect, Google Play Console, Firebase, Postman

Professional Experience

Senior Mobile Software Engineer Stemeta AI

Aug 2025 – Present
Remote

- Architected and engineered a scalable, gamified LMS application from scratch using React Native and TypeScript, enforcing strict type safety and a clean, modular layered architecture minimizing cross-platform UI variance.
- Integrated mission-critical systems including native Apple and Google Authentication, Secure In-App Purchases (IAP) across iOS and Android, and high-performance WebSocket integration via Socket.io for low-latency real-time quiz battles.
- Engineered smooth UX interactions using interactive Rive-powered vector animations across 6+ complex layout paradigms (Subjective, Reorder, Matrix Matching), increasing daily user retention.
- Spearheaded store compliance pipelines, managing deployment matrices across App Store Connect and Google Play Console, securing production stability while executing agile cross-functional handoffs.
- Profiled JS bridge performance using React Native DevTools and Flipper to eliminate memory leaks from high-frequency quiz timers and background tasks, sustaining a smooth 60 FPS UX across complex quiz sessions.

Senior Mobile Developer ASF Tech Partners

Nov 2024 – Jul 2025
Karachi, Pakistan (Hybrid)

- Optimized core application architecture for the Deen App, scaling platform delivery across 2.1M+ downloads (1.4M+ Android, 700K+ iOS) with over 70% active user engagement.
- Engineered a high-performance offline playback subsystem enabling multi-language binary downloads and data caching using MMKV/SQLite key-value storage.
- Built internationalization layers featuring strict Right-to-Left (RTL) layout rendering for 32+ global languages with deep font styling variations (Indo-Pak/Madina formats).
- Elevated system reliability and reduced production crashes by 45% through rigorous memory profile tracking, thread isolation, and systematic resolution of 30+ critical legacy device bugs.
- Decreased app bundle installation footprint by 35% through optimization of image configurations, dead-code stripping, and modularization of native package resources.

Mobile Application Developer Enterprise Team

Jun 2022 – Nov 2024
Karachi, Pakistan (Hybrid)

- Designed and built an enterprise Case Management System for a national bank using React Native, React.js, and SQLite, minimizing administrative process latency from 7 days to 15 minutes.
- Architected a normalized SQLite schema with optimized indexing, accelerating complex multi-table search queries by over 300%; isolated background tasks and thread execution for Base64 encryption eliminating main-thread UI jank.
- Implemented a high-reliability offline-first sync topology with conflict-resolution matrix communicating with Node.js REST APIs, enabling evidence updates in low-connectivity courtrooms with automated reconciliation.

- Co-developed an IoT and agricultural field management platform with a Laravel/Node.js backend, improving field productivity by 70% through geolocation tracking, water telemetry, and secure loan modules.
- Integrated GPS-based disaster telemetry tracking user geolocation to dispatch real-time emergency advisories across 4 atmospheric factors (temperature, wind, rain, humidity); plotted hazard perimeters and area pinpoint alerts via Google Maps API.
- Streamlined real-time notification routing by mapping geospatial boundaries (geo-fencing) to dispatch weather and water-level risk alerts via Firebase Cloud Messaging.

React Native Developer HashPotato

Jul 2021 – Nov 2021
Karachi, Pakistan (On-Site)

- Standardized UI/UX layout mechanics of a cross-platform course-management ecosystem, delivering pixel-perfect interfaces using React.js principles reducing layout rendering jank on lower-end devices.
- Integrated real-time streaming components and scheduled notification hooks supporting video-conferencing workflows and student evaluation systems.
- Optimized local state retrieval times by 50% by executing atomic state updates and refactoring caching from legacy AsyncStorage into streamlined key-value stores.
- Designed a reusable UI component library mapped to atomic design rules, standardizing visual assets and accelerating feature delivery sprints across the engineering team.

Technical Projects

HabitLoop – Daily Habit & Expense Tracker (Self-Directed Project) *(Kotlin 1.8+, MVVM, Room, Coroutines)*

- Built an Android application using Kotlin 1.8+ with MVVM architecture, Room database, and Repository pattern.
- Implemented native features including SQLite persistence and background notification services.
- Demonstrated working knowledge of Kotlin coroutines, Flow, and Android SDK components.

Digital Driving Marketplace App (Final Year Project) *(React Native, Redux, Node.js, Google Maps API, Pusher)*

- Led the development lifecycle of a peer-to-peer driving instruction platform, introducing dynamic course scheduling and marketplace structures cutting matchmaking times from hours to 25 minutes.
- Implemented log tracking systems interfacing with native Geolocation modules, rendering real-time route vectors via the Google Maps API.
- Built a low-latency price negotiation engine using Pusher WebSockets and Node.js event listeners for real-time bi-directional state sync between drivers and clients via Redux middleware.
- Optimized local storage access with a structured key-value state schema for offline marketplace browsing, eliminating network round-trips for static inventory data.

Enterprise Offline Music Application (Freelance Project) *(React Native, MMKV, Custom Audio Engine)*

- Architected a fully offline audio platform managing, indexing, and playing back 10 client albums and multi-track audio collections directly from local device storage.
- Built custom native audio-bridging modules for background audio persistence, granular track seeking, lock-screen media controls, and hardware audio-focus handling.
- Optimized metadata deserialization with binary parsing, eliminating UI rendering blockages during database scans.

Food Delivery Platform (Self-Directed Learning Build) *(React Native, Redux Toolkit, Google Maps API)*

- Architected a dual-persona role-based UI engine utilizing a modular navigation layer to switch layouts cleanly between client and merchant sessions.
- Engineered an optimized cart state machine with Redux Toolkit and memory caching selectors to eliminate rendering lag across nested layout trees.

Education

FAST National University (NUCES)

Aug 2018 – Jun 2022

Bachelor of Science in Computer Science

Karachi, Pakistan

Core Coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems (DBMS), Software Engineering, Cloud Computing, Software Project Management.

Final Year Project: Digital Driving Marketplace App (React Native, Redux, Node.js, Google Maps API, Pusher) – peer-to-peer driving instruction platform with dynamic scheduling and real-time matchmaking.