



KHAWAR SHAHZAD

Senior iOS & Android Engineer | Mobile Architect

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SUMMARY

Senior Mobile Engineer with 10+ years of experience delivering scalable, high-performance apps across the full mobile domain — native **iOS and Android**, plus cross-platform delivery with **React Native, Flutter, and Kotlin Multiplatform (KMP)**. Proven ability to lead architecture, mentor teams, and ship production apps serving millions of users across FinTech, HealthTech, and on-demand services, with a track record of boosting app ratings, reducing crashes, and accelerating delivery cycles.

Experienced in pairing hand-written engineering with agentic AI coding tools (Claude, Cursor, ChatGPT) to speed up delivery while holding the line on code quality. Also exposed to Django for backend services, adding broader technical versatility to mobile solutions.

SKILLS

Languages:	Swift, Objective-C, Kotlin, Java, Dart, Python (Django), JavaScript / TypeScript
iOS:	SwiftUI, UIKit, Combine, Core Data, Core NFC, HealthKit, Core Location, StoreKit, AVFoundation, UserNotifications, CoreGraphics
Android:	Jetpack Compose, Android SDK, Room, Coroutines, Material Design
React Native:	React Native, Redux, React Navigation, Expo
Flutter:	Flutter SDK, Provider / BLoC, Flutter Widgets
Cross-Platform Architecture:	Kotlin Multiplatform (KMP), MVVM, Coordinator, Protocol-Oriented Programming, Modular Architecture, Clean Architecture
AI-Assisted & Agentic Dev:	Claude, Cursor, ChatGPT, AI Agents, Agent Skills & Rules, Context-Window Optimization, Prompt Engineering
Tools & DevOps:	Xcode, Android Studio, GitHub Actions (CI/CD), Fastlane, Firebase, Amplitude
Databases:	Core Data, SQLite, PostgreSQL, Room
Testing:	Unit Testing, UI Testing, XCTest, Cucumberish
Collaboration:	Agile/Scrum, Cross-Functional Leadership, Technical Mentorship

WORK EXPERIENCE

VentureDive — Lead Software Engineer

Feb 2026 – Present

- Leading development of Virgin Mobile's cross-platform app, planning and shipping new features for a wireless brand used across seven global markets.

- Designing scalable Kotlin Multiplatform (KMP) architecture for new features, structuring shared business logic to maximize code reuse between iOS and Android alongside native SwiftUI interfaces.
- Introducing agentic AI-assisted development practices (Claude, Cursor, ChatGPT) into the team workflow, using context-window optimization and reusable AI agent skills/rules to speed up delivery without compromising code quality.
- Setting up CI/CD pipelines and GitHub Actions workflows to streamline build, test, and release processes.
- Collaborating cross-functionally with product, design, and Android engineering to define shared module contracts and a consistent cross-platform experience.

Arbisoft — Mobile Architect

May 2020 – Nov 2025

- Architected and led development of enterprise-scale iOS apps serving 1M+ users in FinTech, HealthTech, and EdTech.
- Reduced release cycle by 40% through GitHub Actions CI/CD pipelines and automated testing.
- Mentored a team of 5+ iOS engineers, raising code quality and cutting post-release bugs by 30%.
- Optimized app performance, achieving 99.9% crash-free sessions and reducing cold start time by 25%.
- Collaborated with product managers and designers to deliver features that improved App Store ratings from 3.8★ to 4.6★.

Software Alliance — Sr. iOS Engineer

Feb 2019 – May 2020

- Delivered multiple iOS apps from concept to App Store launch with 100K+ combined downloads.
- Implemented secure backend integrations and improved UI performance, reducing screen load times by 20%.
- Streamlined code signing, archiving, and deployment processes, cutting release effort by 50%.
- Partnered with stakeholders to refine requirements, ensuring faster turnaround on feature delivery.

AppsGenii Technologies — iOS Engineer

Apr 2018 – Feb 2019

- Designed and developed native iOS apps, enhancing UI/UX consistency and reducing crash rates by 15%.
- Built Apple Developer account workflows (certificates, provisioning, uploads) to smoothen app release cycles.
- Supported backend integration and improved app stability through efficient debugging practices.

Axis Cyber Technologies — iOS App Developer

Mar 2016 – Mar 2018

- Developed and maintained multiple client-facing iOS apps.
- Reduced bug turnaround time by 30% by introducing structured debugging and code review practices.
- Contributed to UI design following Apple's HIG, improving usability and customer satisfaction.

KEY PROJECTS

Virgin Mobile

Tech: Kotlin Multiplatform (KMP), SwiftUI, Kotlin

Wireless brand used by seven independent brand-licensees worldwide. Designed scalable KMP architecture, structuring shared business logic (networking, data, view-models) to maximize code reuse between iOS and Android.

Careem (CareemPay)

Tech: Swift, SwiftUI, Combine, RxSwift, MVVM (Protocol-Oriented)

Led development of Careem's wallet app as part of its super app strategy. Integrated payment services, improving transaction success rates by 20%.

stc pay (Bahrain)

Tech: Swift, SwiftUI, Combine, MVVM, Coordinator Pattern, ScreenTime API, HealthKit

Built and launched stc pay's iOS app from scratch, scaling to 200K+ active users within the first year and achieving a 4.7★ App Store rating.

Steppin

Tech: Swift, SwiftUI, Combine, MVVM

Digital wellness app turning physical activity into screen time. Achieved 10K+ downloads in 3 months, increasing daily user retention by 25%.

Fixalert

Tech: Swift, SwiftUI, Combine, MVVM, Coordinator Pattern

Facility and complaint management app with offline support and push notifications, reducing resolution times by 35% for operations teams.

Islam Accessible

Tech: Swift, SwiftUI, Combine, MVVM, Coordinator Pattern

Educational Quran app offering contextual Surah insights, prophetic timelines, and Quranic miracles.

AnyPlay (Audiobooks & Podcasts)

Tech: Swift, SwiftUI, Combine, MVVM, Coordinator Pattern

Subscription audiobook and podcast platform with offline downloads and background playback.

ACHIEVEMENTS

- Delivered guest sessions on iOS development at UET-KSK and UST Lahore.
- Recognized for mentoring junior engineers and introducing scalable architecture practices across teams.
- Early adopter of agentic AI-assisted development (Claude, Cursor, ChatGPT) to accelerate delivery while upholding code-quality standards.

EDUCATION

BSc Electrical Engineering — COMSATS Institute of Information Technology, Lahore (2015)

FSc (Pre-Engineering) — The Educators College for Boys, Gujranwala (2010)

Matriculation (Science) — Tameer-e-Seerat High School, Kamoke-Gujranwala (2008)

LANGUAGES

English • Urdu