Ashish Kharche

Senior Mobile Engineer: Android (Kotlin, Jetpack Compose) · iOS (Swift/SwiftUI)
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Summary

Senior Android engineer with four years of commercial Kotlin and Jetpack Compose at Paythru, with production iOS (Swift) experience. Worked on six white-label EV charging and payment apps with about 100,000 sessions, including Swift and SwiftUI work on iOS. Built the Terminal app for Adyen payment terminals and rebuilt the Bitrise release pipeline. Built Workout Director and Kalo in Swift and SwiftUI, both published on the App Store by Shelgaon Ltd.

Skills

Android: Kotlin, Jetpack Compose, Coroutines, Flow, Hilt, MVVM, Google Play Console
iOS: Swift, SwiftUI, UIKit, SwiftData, Combine, Swift concurrency, Swift Package Manager, HealthKit, AVFoundation
Testing: JUnit, XCTest, XCUITest, Maestro, Appium, snapshot testing, emulator testing, regression and release testing
Payments: Adyen (in-app, Terminal API, webhooks), payment terminals
CI/CD and monitoring: Bitrise, GitHub Actions, fastlane, TestFlight, App Store Connect, Firebase Crashlytics, Remote Config and Analytics
Back end: TypeScript, Node.js, REST, WebSockets, AWS (CDK, ECS Fargate, Lambda, RDS PostgreSQL, SQS, DynamoDB)

Experience

Paythru Limited, London · Mar 2024 to Oct 2026
Senior Mobile Engineer
EV charging and payments · iOS and Android apps, then AWS platform work · product and engineering team of 10

- Built EV charging features across six white-label apps with about 100,000 sessions: Kotlin and Jetpack Compose on Android, with Swift and SwiftUI work on iOS.
- Built the Kotlin and Jetpack Compose Terminal app for Adyen payment terminals, tested on a Castles S1U2 device: REST and WebSocket link with heartbeat and jittered reconnect, a locked-down local control server and screen-capture blocking.
- On the same app, kept card data out of logs and blocked PIN guessing with a PIN lockout.
- Integrated Adyen for in-app and terminal payments.
- Rebuilt the Bitrise CI/CD pipeline so any commit could be released to the stores, cutting the release cycle from a few weeks to a few days.

Paythru Limited, London · Oct 2022 to Feb 2024
Mobile Engineer

- Tested with Maestro UI flows, snapshot tests and JUnit; Firebase Crashlytics and Remote Config in production.

SpaceX Super Intelligence (SpaceXSI), formerly xAI · Part-time · Jan 2026 to Oct 2026
Quality Assurance Engineer

- Carried out regression and release testing on more than 500 builds of the Grok iOS and web apps across chat, Imagine, Build and MCP, including payments, subscriptions and sign-in.

- Checked changelogs, gave release sign-off, and logged reproducible bugs in Linear, working them through with engineers until each build was ready for release.

Maestro (maestro.dev), mobile UI testing framework · Mar 2023 to Sep 2024
Developer (contract, alongside Paythru)

- Wrote about 10 Android and iOS test suites covering four core features for Maestro Cloud and Studio with CI on Maestro Cloud, GitHub Actions and Bitrise, plus product guides and starter sample repos.
- Wrote 14 posts for the Maestro blog (maestro.dev/blog): cross-platform Android and iOS testing, React Native and Expo, Flutter, API mocking with WireMock, and CI on Bitrise and GitHub Actions.

Independent projects

Workout Director (published on the App Store by Shelgaon Ltd) · Live since Oct 2026

- A mobile workout app in Swift and SwiftUI that counts reps and coaches by voice: on-device pose tracking (MediaPipe, up to 30 frames a second) counts reps from the camera; a voice coach (Live Coach) streams audio over WebRTC; trainer chat; Apple Health sync. apps.apple.com/gb/app/id6813645709
- Release safety: PostHog feature flags with per-feature kill switches and a server-driven minimum version that forces old builds to update, so features roll back without a new App Store build.
- Sign in with Apple and Google, RevenueCat subscriptions, TypeScript back end on AWS Lambda and six DynamoDB tables (CDK); scripted TestFlight and App Store releases, handling App Review rejections.

Kalo (published on the App Store by Shelgaon Ltd) · On the App Store

- A mobile nutrition app in Swift and SwiftUI that tracks calories and macros: photo, voice and barcode logging, Open Food Facts, a server-side proxy for meal analysis; HealthKit, RevenueCat. apps.apple.com/gb/app/id6752915724
- XCTest, XCUITest and on-device end-to-end tests; cleared App Review's health-citation rules (guideline 1.4.1) for the 1 Oct 2026 release.

Education

MSc Software Engineering, Kingston University, London · Sep 2021 to Sep 2022
Bachelor of Engineering, Computer Science, Government College of Engineering Aurangabad · 2016 to 2020

Certifications

AWS Certified Solutions Architect – Associate (expired Feb 2025)
AWS Certified Cloud Practitioner (expired Feb 2025)