Sougandh Manikkoth Paremmal

Senior Android Engineer · Android Tech Lead

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Full Australian working rights **Available immediately**

PROFESSIONAL SUMMARY

Senior Android Engineer and Tech Lead with 11+ years building production mobile apps in Kotlin, Java and Jetpack Compose. Recent experience delivering payments features (fund transfers, bill payments, beneficiary management) for a leading retail bank, and shipping features to 300M+ registered users at MEGA.

Skilled in Clean Architecture, MVVM and MVI, multi-module apps, Coroutines and Flow, automated testing and CI/CD. Proven tech lead: led an Android pod on a banking payments platform, led a cross-location team through an Android-to-Flutter migration and mentored 30+ developers.

TECHNICAL SKILLS

Languages & Architecture: Kotlin, Java, Dart; Clean Architecture, MVVM, MVI, Multi-module, TDD

Android & Jetpack: Android SDK, Jetpack Compose, Material 3, Coroutines, Flow, ViewModel, Navigation, WorkManager, Room, DataStore, Paging 3, Hilt, Dagger, Retrofit, OkHttp

Testing: JUnit, Mockito, MockK, Turbine, Espresso, Compose UI Testing, Appium

Security & Performance: OAuth2, JWT, Certificate Pinning, Play Integrity API, R8, DexGuard, Baseline Profiles, LeakCanary

CI/CD & Monitoring: Gradle Kotlin DSL, GitLab CI/CD, GitHub, Fastlane, Firebase App Distribution, Azure DevOps, Crashlytics, Splunk

APIs & Cross-Platform: REST, GraphQL, Firebase; Kotlin Multiplatform, Flutter

AI Tools & ML: GitHub Copilot, Claude Code, TensorFlow, PyTorch, Dialogflow

EXPERIENCE

Technology Lead (Android)

Oct 2025 – Apr 2026

Synechron · Bengaluru, India **Top Engineer of the Month · Feb 2026**

Retail banking Android app for a leading UAE bank. Core engineer in the Payments module.

- Led a small Android pod and owned payment flows for fund transfers, bill payments and beneficiary management in Kotlin and Jetpack Compose.
- Secured payment journeys with step-up authentication and certificate pinning, built on Clean Architecture and MVI.
- Owned technical design, build, defect fixes and release readiness across the payments workstream.
- Raised unit-test coverage across payment flows to **90%**, reducing regression risk before each release.
- Wrote test automation scripts that reduced manual QA effort each release cycle.

Senior Android Engineer (Contract)

Jan 2023 – May 2025

MEGA (MEGA Privacy) · Auckland, NZ (remote)

Cloud storage and password manager apps with 300M+ registered users.

- Owned architecture, build and release of Search and TOTP (two-factor code) features for MEGA Password Manager.
- Improved auto-fill performance by **33%**, making password entry faster and smoother.
- Migrated legacy XML screens to Jetpack Compose, modernising the UI and improving rendering performance.
- Reduced production bugs by **15%** through better automated testing, debugging and code review.
- Delivered features end to end across MEGA Cloud and Password Manager, from build to release and performance analysis.

IT Analyst (Flutter)
Aug 2022 – Jan 2023

Tata Consultancy Services · Kochi, India

- Delivered new features for the FieldCatcher Flutter app with product teams.
- Raised unit-test coverage to **80%** and cut production bugs by **20%**.
- Upgraded the app to Flutter 3.0 and cut loading time by 25% through image optimisation.
- Integrated PyTorch AI models into the mobile app.

IT Analyst (Android & Flutter)
Aug 2019 – Jul 2022

Tata Consultancy Services · Cologne, Germany

- Led a team of engineers across locations building the FieldCatcher Android app for a digital farming portfolio.
- Led the Android-to-Flutter migration, trained the team on Flutter and delivered the MVP on schedule.
- Set up GitLab and Fastlane CI/CD pipelines, speeding up releases and reducing manual deployment.
- Built custom Flutter plugins for on-device TensorFlow AI models.
- Built automated data sync with GraphQL and improved reliability with unit and UI tests.

Systems Engineer (Android)
Oct 2014 – Aug 2019

Tata Consultancy Services · Kochi, India

- Built Android apps for insurance, IoT/telematics, enterprise and hospitality clients, including a leading US insurer and a UK postal service.
- Set up Microsoft Azure CI/CD pipelines and managed build and release automation.
- Built and launched a Dialogflow chatbot for a hotel booking solution.
- Trained and mentored **30+ developers** in Android development.

OPEN-SOURCE PROJECTS · Independent, May 2026 – Present

RaceHub – Formula 1 App for Android & iOS
github.com/sougandhmp/RaceHub

- Shares everything except the UI across Android and iOS in Kotlin Multiplatform, including the MVI ViewModels.
- Native UI in Jetpack Compose (Android) and SwiftUI (iOS), with Clean Architecture and Navigation 3.

FlagMaster – Timed Flag Quiz Game for Android
github.com/sougandhmp/FlagMaster

- Built in Kotlin and Jetpack Compose with Material 3, Clean Architecture, MVVM and Hilt.
- Generates quizzes by difficulty with time-based rounds (Coroutines, Flow); saves progress with Room and DataStore, with a Firebase leaderboard.

EDUCATION

B.Tech, Electronics & Communication Engineering

Government College of Engineering, Kannur, India · 2014

LANGUAGES

English (professional), Malayalam, Hindi