

Professional Summary

Principal-level Android and mobile engineering leader with 12+ years of experience designing and scaling complex, Kotlin-first Android ecosystems and SDKs in high-traffic fintech and product organisations.

Hands-on specialist in Android platform architecture, Jetpack Compose, multi-module app design, and CI/CD. I define target architectures, set coding standards, and lead teams in building secure, resilient and observable systems. My focus is on clean, testable code, end-to-end automation, strong telemetry and performance, and API designs that are stable, backwards-compatible and easy for client teams to adopt.

Core Competencies

Android	RxJava	CI/CD
Java	Clean architecture	SOLID principles
Espresso	IOS	Kotlin coroutines/Flow
Junit/Mockito	Gradle	CircleCI
MVI	MVVM	Jetpack compose

Professional Experience

WEAVR.IO, UK (2024 - Present)
SENIOR MOBILE ENGINEER

- 1. Lead the architecture and implementation of Kotlin-first Android and React Native SDKs, exposing stable, well-versioned public APIs for embedders integrating Weavr’s financial products.
- 2. Designed multi-module SDK structure with clear separation of concerns (core, API, UI, analytics), enabling faster builds, independent releases and simpler dependency management.
- 3. Built sample apps using Jetpack Compose, Navigation, Hilt and modern Jetpack libraries to demonstrate best-practice integration patterns for client teams.
- 4. Implemented robust networking and error-handling layers using Retrofit/OkHttp, interceptors and unified result types, with strong support for retries, timeouts and connectivity changes.
- 5. Established testing strategy across the SDK stack: unit tests with JUnit/Mockito/MockK, instrumentation/UI tests with Espresso, and contract tests for public APIs.
- 6. Integrated static analysis tools (Ktlint, Detekt, Android Lint) into CI pipelines to enforce code quality and architectural rules.
- 7. Optimised runtime performance and startup using Android Profiler, StrictMode and memory-leak detection with LeakCanary, feeding metrics back into design decisions.
- 8. Defined internal documentation and ADRs for architectural decisions, ensuring consistency across feature teams and clear guidance for future evolution of the SDK.

PAYTM ,UK (2021 - 2024) (500M+ downloads on Google Play)
MOBILE ENGINEERING MANAGER

- 1. Led a global team of 10 Android and iOS engineers building large-scale, customer-facing fintech apps with millions of installs and complex transactional flows.
- 2. Drove a Kotlin-first, multi-module architecture using MVVM/MVI, Clean Architecture and unidirectional data flow, enabling parallel development and reducing coupling between features.
- 3. Designed and governed platform components: network layer (Retrofit/OkHttp), persistence (Room, SharedPrefs/DataStore), analytics, feature-flag framework and design-system components.
- 4. Championed TDD and high test coverage, standardising use of JUnit5, Mockito/MockK, Espresso, Robolectric and snapshot testing; integrated coverage thresholds into CI gates.

5. Introduced observability practices using Firebase Analytics, Crashlytics, performance monitoring and custom logging, defining SLOs and reliability KPIs for mobile.
6. Led security reviews and implementation of OAuth2 and OpenID Connect flows, secure token storage via Android Keystore, and device integrity checks.
7. Collaborated with architects and senior product stakeholders to shape the mobile target architecture and roadmap, translating business initiatives into executable technical plans.

ANGEL ONE, INDIA (2020 –2021) (50M+ downloads on Google Play)

SENIOR MOBILE ENGINEERING MANAGER

1. Directed multiple mobile squads delivering trading and investing features on top of a modular Android codebase with stringent performance and reliability requirements.
2. Defined reference architectures, module boundaries and dependency rules to keep the codebase maintainable as the product surface expanded.
3. Standardised engineering practices across teams (code review guidelines, branching strategies, pull-request templates, static analysis, test strategies) to ensure consistent quality.
4. Partnered with platform and backend architects to evolve contracts, optimise payloads (e.g., Protobuf/JSON trade-offs) and improve end-to-end latency of critical user journeys.
5. Provided hands-on guidance on complex topics such as concurrency (Coroutines/Flows), offline-first patterns, state management and error-recovery in market-sensitive features.

INDMONEY, INDIA (2019 –2020) (20M+ downloads on Google Play)

LEAD ANDROID DEVELOPER

1. Led the Android team and re-architected the INDmoney app into a multi-module, feature-oriented structure using MVVM and Clean Architecture.
2. Implemented core layers: domain/use-case layer, repository abstractions and data sources backed by Retrofit, Room and in-memory caches.
3. Designed and built new features using Jetpack components (ViewModel, LiveData/Flow, Navigation, WorkManager, Paging), improving performance and code readability.
4. Established testing practices using JUnit, Mockito/MockK, Espresso and Robolectric, introducing dependency injection patterns to make code more testable.
5. Reduced app startup time and memory footprint via lazy loading, optimised image handling and stricter resource management, validated via Android Profiler.

INFOSYS , INDIA (2013 – 2018)

SENIOR ANDROID DEVELOPER

1. Recognised as a Job Band A employee (top 5%) for sustained technical impact on large enterprise Android projects, including Aetna Insurance mobile apps.
2. Designed and implemented core architecture for insurance workflows, using modular layers (UI, domain, data) and reusable components for forms, offline sync and secure document handling.
3. Built CI pipelines with Jenkins and Gradle (including custom tasks and build types) to automate linting, unit tests, instrumentation tests and artifact generation.
4. Implemented advanced security controls: TLS pinning, secure storage via Android Keystore, encrypted local data and robust authentication flows.
5. Led debugging and performance-tuning efforts using Systrace, Android Profiler and StrictMode, resolving complex ANR, jank and memory-leak issues.

Education

1. Bachelor of Technology in Information Technology, IP University New Delhi, India