

Nimish Nandwana | Lead Mobile Developer

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Summary

Lead Mobile Developer with 9+ years architecting and shipping production Android applications for 10M+ users across telecom and fintech. Expert across native Android (Kotlin, Jetpack Compose), Flutter, and Kotlin Multiplatform, and chooses the right stack per surface based on performance budget, team capacity, and platform reach. Owns architecture, sprint planning, and release for the mobile org, and introduced an AI-assisted code review pipeline backed by business-context-aware project rules adopted across all flagship apps.

Core Stack

Android: Kotlin, Java, Jetpack Compose, MVVM/MVI, multi-module Gradle, Hilt, WorkManager, Room, Coroutines, Flow

Compose: Material 3, Navigation, state hoisting, recomposition profiling, lazy lists, View↔Compose interop

Flutter: Dart, BLoC, Riverpod, platform channels, flavors, Fastlane, widget & golden tests

KMP: Shared domain/data, Ktor, SQLDelight, kotlinx.serialization, Compose Multiplatform, Android + iOS + JVM targets

Native & Performance: JNI/NDK, C++, baseline profiles, R8, LeakCanary, Perfetto, Systrace

Quality & Security: TDD, JUnit5, Mockito, Espresso, OAuth2/SAML, biometric auth, certificate pinning, PCI DSS

AI Engineering: Cursor, Claude, AGENTS.md / project rules, AI-assisted code review, MCP integrations

Experience

Deutsche Telekom Digital Labs

Lead Mobile Developer

Gurgaon

Dec 2022 – Present

- Lead an 8-engineer mobile org delivering an Android-first platform at 10M+ MAU across 5 European markets, and set technical direction across native Android, Compose, Flutter, and KMP
- Run the sprint cadence end-to-end: daily standup, sprint planning, scope arbitration, retrospectives, and Play Console release ownership across 3 flagship apps
- Designed and rolled out an AI-assisted code review pipeline (Cursor + project rules) that runs ahead of human review, catching architectural drift, missing tests, and accessibility regressions before PRs reach reviewers
- Authored business-context-aware project rule sets (AGENTS.md, Cursor rules) encoding domain models, module ownership, accessibility, and security constraints, so AI tooling and new hires now ramp from a single source of truth
- Architected a shared component and design-system library now powering 3 flagship apps, consumed from both Compose-first screens and legacy View hierarchies
- Drove KMP adoption for shared domain and networking modules across apps that previously duplicated business logic, and introduced Flutter for surfaces where iteration speed outweighed platform depth
- Reduced cold launch from 3.2s to 1.8s (~44%) via baseline profiles, lazy initialization, and JNI hot-path optimization, with P95 sustained under 2.5s
- Reduced crash rate from 1.8% to 0.3% through systematic ANR and leak triage, sustaining 99.7% crash-free sessions and a 4.8/5 store rating
- Implemented native C++ video processing modules behind a JNI boundary, achieving ~25% memory reduction on mid-range devices
- Own the multi-year mobile roadmap and the experimentation pipeline, with 50+ A/B tests per quarter informing release-gate decisions

Grappus Technologies

Senior Mobile Developer

Gurgaon

Feb 2019 – Dec 2022

- Tech lead on 10+ enterprise Android engagements spanning fintech, productivity, and internal tooling
- Modularized monolithic codebases into 50+ feature modules, reducing build time by ~70% through parallel compilation and shared libraries
- Shipped Jetpack Compose, Coroutines, and Flow on greenfield modules while maintaining RxJava on legacy paths — migration without big-bang rewrites
- Delivered PCI DSS payment flows, biometric authentication, certificate pinning, and OAuth2/SAML SSO with zero security audit findings across four fintech engagements
- Built offline-first sync (WorkManager + Room) with conflict resolution for high-traffic document and collaboration apps, with 99.9% data integrity at scale
- Implemented i18n for 30+ locales including Arabic RTL and CJK, and tuned 10K+ item lists with DiffUtil for sustained 60fps on entry-tier hardware

Wabi Tech (geospatial / IoT)

Android Developer

New Delhi

Jun 2017 – Feb 2019

- Built a shared UI component library deployed across 5 enterprise Android applications
- Engineered a JNI bridge to a C++ map rendering engine, achieving ~50% memory reduction on low-end devices
- Delivered the BLE communication layer for IoT device connectivity and real-time data streaming
- Implemented offline-first synchronization via WorkManager with background reconciliation

Selected Projects

gStore by GreyOrange — Cross-platform Flutter application, Android + iOS

Flutter, Dart, BLoC, platform channels, Fastlane, Firebase

- Owned end-to-end Flutter delivery: architecture, API contracts, store-ready Android and iOS builds
- Wired native auth, analytics, and deep links through platform channels, with Dart-side business logic remaining fully unit-testable
- Established widget and golden test patterns plus Fastlane CI for repeatable, gated releases

Plume — Kotlin Multiplatform + Jetpack Compose

Kotlin Multiplatform, Jetpack Compose, Ktor, SQLDelight, Compose Multiplatform

- Architected shared KMP modules for domain, networking (Ktor), and persistence (SQLDelight) consumed by Android and iOS targets
- Built the Android UI in Jetpack Compose against the shared KMP layer, with Compose Multiplatform powering selected surfaces shared across platforms
- Defined the expect/actual boundary so platform code remains thin and testable, eliminating duplicated business logic that previously diverged across apps

Leadership & Engineering Excellence

- **Sprint ownership:** Run daily standup, sprint planning, scope arbitration, and retrospectives for an 8-engineer mobile org
- **Release ownership:** Sole release owner across 3 flagship Android apps — Play Console staged rollouts, crash-rate gating, and rollback decisions
- **AI-assisted code review:** Designed and operate a Cursor-based pre-review pipeline that flags architectural drift, missing test coverage, and accessibility regressions before human review
- **Business-context project rules:** Authored AGENTS.md and Cursor rule sets encoding domain models, module ownership, accessibility, and security constraints, adopted across all mobile codebases as the canonical source of truth for both engineers and AI tooling
- **Mentorship & hiring:** Hired across Android and cross-platform tracks, with 3 direct reports promoted to senior

engineer

- **Engineering playbooks:** Authored the team's mobile testing, Fastlane release, and Firebase App Distribution playbooks

Education

BIT Mesra, Ranchi

Bachelor of Technology in Computer Science

Jharkhand, India

Aug. 2012 – April 2016