

Sanjay Gangwar

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PROFILE

Senior mobile engineer with **6 years** shipping production Android, iOS, and Flutter apps who also designs, deploys, and operates the backend behind them. Contributed to consumer apps serving **100M+ downloads** and **20M+ MAU**. Independently built and runs a portfolio of **10+ apps** end-to-end on a self-hosted **Node.js + MongoDB** platform (trei.dev). Strong in Kotlin, Jetpack Compose, Coroutines, offline-first architecture, and production backend operations.

SKILLS

Languages: Kotlin, Java, Swift, Dart, JavaScript, TypeScript

Android: Jetpack Compose, Coroutines, Flow, RxJava, Hilt, Dagger, Room, WorkManager, Retrofit, OkHttp, LeakCanary, BiometricPrompt, AccessibilityService, DeviceAdmin

iOS & Flutter: SwiftUI, Combine, URLSession, Core Data, Flutter, Bloc, Riverpod, sqflite, Hive, Platform Channels

Architecture: MVVM, MVI, Clean Architecture, Repository Pattern, Offline-First, Unidirectional Data Flow, SOLID

Build & Release: Gradle, Fastlane, GitHub Actions, Play Console, App Store Connect, R8, ProGuard, Firebase Crashlytics

Backend & Infra: Node.js, Express, MongoDB (replica set), Redis, Nginx, Docker Compose, Ansible, Prometheus, Grafana, JWT, WebSockets, REST/OpenAPI

WORK EXPERIENCE

PrimeTrace Technology Pvt Ltd

Jan 2023 – Present

*Senior Mobile App Developer | Kotlin, Jetpack Compose, Flutter, Dart
Bloc, Riverpod, Coroutines, Hilt, Fastlane, GitHub Actions*

Bangalore, India

- Spearhead feature development on a consumer Android app serving **20M+ MAU**, built in **Kotlin** and **Jetpack Compose**.
- Architected **CI/CD pipeline** with **Fastlane** and **GitHub Actions**, automating builds across 3 tracks (internal, beta, production).
- Migrated core modules from legacy XML/Java to **Jetpack Compose**, **Coroutines/Flow**, and **Hilt** dependency injection.
- Maintain legacy **RxJava** reactive pipelines in production modules while incrementally porting them to **Coroutines/Flow**, ensuring zero-regression rollouts on a **20M+ MAU** app.
- Triage crash, ANR, and performance regressions using **Firebase Crashlytics**, **LeakCanary**, and **Android Profiler**.
- Prototyped internal features as **Flutter** MVPs for rapid iteration; transitioned performance-critical modules to native **Kotlin** as product requirements scaled.
- Mentor junior engineers through code reviews, architecture sessions, and pair programming on testing and performance tooling.

Medhya Tech (OPC) Pvt Ltd

Jul 2021 – Dec 2022

Mobile App Developer | Android (Kotlin), iOS (Swift), Flutter (Dart), MVVM, Clean Architecture

Delhi, India

- Delivered cross-platform mobile apps on **Android**, **iOS**, and **Flutter** across social, commerce, and utility verticals for multiple clients.
- Owned end-to-end feature delivery across platforms, coordinating with product, design, and backend teams on scoping and rollout.
- Automated release pipelines on **Play Store** and **App Store** using **Fastlane**, eliminating manual deployment steps.
- Mentored junior developers on **MVVM**, **Clean Architecture**, and **Repository Pattern**.

Techsalt Solutions

Jun 2020 – Jun 2021

Android App Developer | Kotlin, Retrofit, Room, Dagger, REST APIs

Noida, India

- Developed native Android features using **Kotlin**, **Retrofit**, **Room**, and **Dagger**.
- Engineered offline-first data layer with **Room** local caching and **Retrofit** sync for low-connectivity use cases.
- Designed REST API contracts with backend engineers, standardizing error handling across endpoints.

Babel Media India Pvt Ltd

Oct 2019 – Feb 2020

QA Tester | Manual Testing, Regression, Defect Triage

Gurugram, India

- Executed manual test plans across mobile and web applications; documented defects and regression reports.
- Triage defects with developers and verified post-release fixes, improving release stability.

SHIPPED APPLICATIONS AT SCALE

- Crafto** | *Kotlin, Android SDK, Reusable UI Components* 100M+ downloads, 10M+ MAU
- Optimized template rendering pipeline serving **10M+ daily active users**, improving frame rates across low-end devices.
 - Created reusable design-system components adopted across the app for consistent UI and faster feature development.
 - Launched content template and customization features end-to-end, collaborating with product, design, and backend teams.
- Kutumb** | *Kotlin, REST APIs, Modular UI* 50M+ downloads
- Delivered feed, profile, and community interaction features with **REST API** integration, serving **50M+ users**.
 - Structured modular UI components for design system adoption and consistent cross-team development.
- Instabill** | *Kotlin, Billing APIs, Crash Monitoring* 500K+ downloads
- Integrated invoice generation, transaction history, and billing APIs for merchants and small businesses.
 - Strengthened app stability through UI optimization, bug fixes, and **Firebase Crashlytics** monitoring.

INDEPENDENT PROJECTS (SOLO, SHIPPED TO PLAY STORE)

- Minimal Launcher** | *Kotlin, Jetpack Compose, BiometricPrompt, AccessibilityService, DeviceAdmin, Fastlane* 2026
- Crafted a production Android launcher with 10+ features: pinned apps, biometric-locked hidden apps via **BiometricPrompt**, calendar overlay, dock, notes, and **DeviceAdmin** uninstall protection.
 - Internationalized to **13 locales** with localized Play Store listings; targets **SDK 36**; fully automated release pipeline via **Fastlane**.
- Splitwisely** | *Flutter, Dart, sqflite, Node.js, MongoDB* Play Store
- Developed offline-first group expense splitter supporting 5+ currencies, recurring expenses, rent receipt PDF export, and automated settlement tracking.
 - Designed self-hosted backend with **Node.js**, **MongoDB replica set**, and **Firebase Auth** for data sync and user authentication.
- mDevices / mFamily Locator** | *Flutter, Node.js, MongoDB, WebSockets* Play Store
- Released real-time family device tracking platform with location history, cross-platform **Flutter** client, and self-hosted **Node.js + MongoDB** backend.
 - Implemented scheduled background sync via **WorkManager**, device health checks, and sub-second location updates over **WebSockets**.
- trei.dev — Backend Platform** | *Node.js, Express, MongoDB, Nginx, Docker Compose, Prometheus, Self-hosted Grafana, Ansible*
- Operate a single production backend powering **10+ apps**: Node.js/Express APIs, **5-node MongoDB replica set** (Ansible-deployed), Nginx load balancer, Prometheus + Grafana monitoring with a public status page, and RevenueCat subscription billing.
- Additional Applications (Android & iOS)** | *Flutter, Dart, Kotlin, Swift, Node.js*
- AlertBox (SMS payment parser), msync, mPets (pet management), mShadi (matchmaking), mBuddie (AI companion), DevKeyboard (iOS, TestFlight), DoggyDoo (iOS, Swift).

EDUCATION

- FIET College of Engineering and Technology** 2015 – 2019
Bachelor of Technology, Computer Science Engineering (AKTU) | 69% Bareilly, India