



# Kalpesh Agravat

Senior Android Developer (Android Native)

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## Profile

Senior Android Developer with **7.5+ years of experience** designing, developing, and maintaining **high-performance Android Native applications** using **Kotlin, Java, and Jetpack Compose**. Strong expertise in **MVVM/MVP/Clean Architecture, POS hardware integration, Fintech (EMI & Payments), Taxi Booking, IoT/BLE, and offline-first systems**. Proven track record of delivering **production-ready apps**, improving stability, mentoring developers, and driving scalable mobile solutions.

## Professional Experience

09/2024 – 12/2025

AHMEDABAD

**SilverSky Technology** , Sr Mobile Application Developer

- Designed and maintained **10+ Android Native and React Native applications** across education, AI, enterprise, and consumer domains.
- Resolved **critical bugs and architectural blockers** in stalled projects, enabling successful production releases.
- Mentored junior developers on **clean code, MVVM architecture, debugging, and performance optimization**.
- Collaborated with product managers and designers to deliver **high-quality applications within tight timelines**.

01/2023 – 09/2024

AHMEDABAD

**BRND TECH** , Sr.Android Developer

- Managed development of **POS applications** using **MVP architecture** with multiple hardware integrations (printer, QR scanner, cash drawer, Mifare reader)
- Executed **secure payment workflows** and ensured stability across tablet and handheld POS devices
- Improved **Android TV digital signage app** running **24x7**, using **AlarmManager** to schedule ad rotations
- Prevented screen freeze **and unresponsive states**, ensuring long-running stability on Android TV devices

06/2020 – 11/2022

RAJKOT

**TIS (Tech Integrity Service)**, Sr. Android Developer

- Developed and maintained **taxi booking and transportation applications** for **Android and iOS** in a **B2B model** serving **8+ enterprise clients**
- Designed a **single codebase strategy** using **Android build variants** and **iOS targets**, enabling brand-specific **UI, features, and payment gateways** for each customer
- Implemented **real-time driver tracking, booking management, coupons, ride history, background, and endless services**
- Improved **delivery speed, sales scalability, and development cost efficiency** by consolidating multiple client apps into a unified, configurable platform
- Directed development of **Wiyak and other similar rider app**, built from scratch with enhanced **UI/UX animations**, contributing to **70K+ Android installations**
- Develop **multi-flavor deployment, release management, and production stability**

08/2018 – 05/2020

RAJKOT

### **BMAC** , Android Developer

- Built a strong foundation in **core Android concepts** including activities, fragments, lifecycle management, and UI design, and progressed to **Kotlin-based development** with **MVVM architecture, AR features, Firebase, and REST API integration**.
- Developed **social media-style and utility applications** such as **Quote Maker**, along with **AR-based and location-driven applications**
- Contributed to **6+ Android Native apps** using **Kotlin**, gaining hands-on experience in end-to-end app development

## Skills

### Technical Skills

#### - Programming Languages

Kotlin, Java, SQL, JavaScript, TypeScript (basic), Swift (basic)

#### - Android Development

Android SDK, Jetpack Compose (Material 3), XML UI, Android Jetpack Libraries, Activity & Fragment Lifecycle, ViewModel, LiveData, Lifecycle Components

#### - Architecture & Design Patterns

MVVM, MVP, MVC, Clean Architecture, Repository Pattern

#### - Libraries & Frameworks

Hilt, Dagger, Retrofit, OkHttp, Room, DataStore, Kotlin Coroutines, Flow, Firebase (Auth, Firestore, Realtime Database, FCM), MQTT

#### - Testing & Quality Assurance

Unit Testing (JUnit), UI Testing (Espresso), Manual Testing, Debugging & Log Analysis

#### - Crash Analytics & Monitoring

Firebase Crashlytics, Google Analytics, Performance Monitoring, ANR Tracking

#### - Background Processing & Performance

WorkManager, Foreground Services, AlarmManager, Memory Management, Performance Optimization

#### - Security & Data Protection

Data Encryption & Decryption (AES), Secure Storage (Android Keystore), Secure API Communication (HTTPS, Token-Based Authentication), ProGuard / R8

#### - Provisioning & Device Management

Android Device Provisioning, QR-Based Enrollment, Device Admin / Android Enterprise (basic)

#### - Cross-Platform Development

React Native

#### - Backend & APIs

REST API Integration, Firebase Authentication, Firestore, Realtime Database

#### - Payments & Hardware Integrations

Razorpay, Stripe, In-App Purchases, Verifone, mPesa, TAP, POS Hardware Integration (Printers, QR Scanners, Cash Drawers, Mifare Readers)

#### - Bug Tracking & Collaboration Tools

JIRA, Bugzilla, Trello, ClickUp

#### - Version Control & Development Tools

Git, GitHub, GitLab, Sourcetree, Android Studio, Gradle

#### - Additional Skills

Offline-First Architecture, Push Notifications (FCM), Location Services, Google Maps, Google Directions API, Google Places API, Play Store Deployment, App Signing, Release Management, CI/CD (basic)

## Education

2014 – 2018

Rajkot

### **Bachelor of Engineering (Computer Engineering),**

SREZ Sanjaybhai Rajguru College of Engineering

**CGPI: 7.04**

#### **Academic Projects (Brief)**

- **Semi-Final Project:** Natural Butey Care – Website developed using **WordPress**
- **Final Year Project:** E-Learning for Kids – Android application focused on interactive learning

## Projects

### **Edudus** ↗, Smart Pen Digital Note App

**Kotlin, MVP, Firebase, BLE, Offline Sync**

- Developed a companion Android application for a **smart pen device** to digitally capture handwritten notes, sketches, and drawings
- Implemented **real-time data sync**, offline storage, and secure cloud backup
- Focused on **device communication stability, data accuracy, and performance optimization**
- Improved usability for students and educators by enabling easy **retrieval, sharing, and management** of digital notes

### **PictionUs** ↗, Photo sharing platform, (Kotlin, Jetpack Compose, Hilt, Room, In-App Purchases)

Wedding photo-sharing app with QR/link-based access and real-time uploads

### **Wiyak Rider and Automak Driver**, Taxi booking app, and other similar app

- Developed a comprehensive **taxis booking platform** supporting **city rides, hourly rentals, and long-distance outstation services**
- Applied **real-time driver tracking**, ride scheduling, coupons, delivery services, booking history, **Refer & Earn**, and digital receipts
- Consolidated **12+ similar applications into a single configurable codebase** using **Android product flavors** and **iOS targets**
- Enabled **brand-specific UI, features, and payment gateways**, significantly improving **delivery speed, scalability, and development cost efficiency**
- Led development of **Wiyak – A Story in Every Ride**, built from scratch with enhanced **UI/UX and animations**, reaching **70K+ Android installs**
- Improved and enhanced many features in **driver application** for booking and ride management, tracking
- Implemented **offline booking support** using endless/background services and **real-time distance and speed calculations**
- Mentored junior developers and assisted in implementing additional features and production-ready solutions
  - [WIYAK- A Story In Every Ride \(Android\)](#) ↗
  - [WIYAK-A Story In Every Ride\(IOS ↗ \)](#)
  - [GoGreen Cabs\(Android\) ↗](#)
  - [GoGreen Cabs\(IOS\) ↗](#)
  - [Leap Taxi ↗](#)
  - [GETCAB-Book Taxi & Auto ↗](#)
  - [Malvern Ride App \(IOS\) ↗](#)
  - [GoGreen Partner ↗](#)
  - [Leap Taxi Driver ↗](#)

### **Bazaar POS, HandPOS & Kiosk Systems**, Sales Management System

**Tech:** Java, MVP Architecture, Android OS, POS Hardware, Payment Gateways

- Developed **three different POS solutions** tailored for retail environments:
- **Bazaar POS:** Dual-screen Android POS system for cashier-facing and customer-facing displays
- **HandPOS:** Handheld Android terminal with **built-in Verifone payment hardware** supporting card swipe and receipt printing
- **Kiosk System:** Large-screen Android-based self-service kiosk for customer-driven transactions
- Integrated multiple **POS hardware components** including **receipt printers, QR scanners, cash drawers, and Mifare card readers**
- Implemented **secure and reliable payment workflows**, including **credit/debit card processing via Verifone**, ensuring transaction safety

- Designed the systems to handle **high transaction volumes**, focusing on stability, fast response times, and error recovery
- Ensured smooth operation across **dual-screen, handheld, and kiosk devices** in real-world retail environments

## Other Projects, Other Android Native Projects

- **Tydlig** – School management system (React Native) for schedules, timetables, and leave management
- **Escon Leads** – Builder & broker management app for lead and site tracking
- **Habito**  – Daily habit tracker and goal planner
- **Pocket Jury**  – Legal roleplay & debate app with time-bound arguments and live verdicts
- **Solo AI Chat App** – AI-powered chat app with offline and online messaging
- **Tuck**  – Instant cashback and gift card purchasing app
- **Surfair** – Flight management application
- **Ancient Origin**  – History and archaeology content app
- **Flipkart Picking Process** – Internal warehouse logistics application
- **1Fichier**  – Secure file storage Android app
- **NumberBook Lookup** – Caller identification and Arabic contact search app
- **Quote Maker**  – Social content app to create, read, and share quotes or poems with custom backgrounds, profiles, and user interactions
- **Story Byte** – Social reading and writing platform built using **MVVM**, featuring drafts, libraries, likes, comments, followers, and **Facebook / Google sign-in**
- **Impact Investment Services** – Finance-focused Android app providing **intraday stock tips**, market news, and **group chat**, powered by **Firebase Firestore**
- **Make 24**  – Mathematical puzzle game designed to improve numerical and logical thinking skills
- **Christmas Countdown & Photo Maker**  – Seasonal utility apps for countdown tracking and festive photo editing
- **MORO Cotton Calculator**  – Industry-specific calculator for cotton grading used by traders, exporters, and oil mills

## FireNotes , Offline-First Notes App

**Tech:** Kotlin, Jetpack Compose, Hilt, Room, Firebase

Kotlin Jetpack Compose (Material3) Hilt (DI) Room Database Firebase Authentication Firebase Realtime Database DataStore Preferences Coroutines & Flow

## E-Store,

A complete e-commerce solution featuring product browsing, cart management, and checkout flow. This project is a modern Android e-commerce application built using **Kotlin** and **Jetpack Compose**. It follows clean architecture principles and utilizes the **FakeStore API**  to simulate a real-world shopping experience. **Project Github Link**  : <https://github.com/KalpeshAgravat/E-Store> 

## Core Competencies

Good Learner | Most Innovative Technology | Teamwork/Collaboration | Strategy Planning | Team Leader | Responsible Decision-Making

## Courses

### The Complete Java Developer Course , Udemy

This course provided a comprehensive introduction to Java programming, focusing on both foundational concepts and practical application development.

## **Declaration**

I, Kalpesh Agravat, hereby declare that the information contained here in is true and correct to the best of my knowledge and belief.



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**Kalpesh Agravat**