

Madhusmita Nayak

Software Engineer — Android Developer — Kotlin — MVVM — Compose
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Professional Summary

Android Engineer with 5+ years of experience building scalable and high-performance native applications using **Kotlin** and **Java**. Strong expertise in **MVVM architecture**, **REST API integration**, **Jetpack compose** and **Firestore services**. Proven ability to optimize app performance, memory management, improve code quality, and deliver production-ready features and leveraging AI-assisted tools like Claude, Gemini, OpenAI.

Technical Skills

- **Languages:** Kotlin, Java
- **Android Development:** Android SDK, Jetpack Compose, MVVM, LiveData, ViewModel, StateFlow, Navigation Component, Coroutines
- **Architecture & Libraries:** MVVM, Repository Pattern, Dependency Injection, , Hilt,
- **Networking Database:** Retrofit, REST APIs, JSON Parsing, HTTP, FCM, Room, SQLite, Firestore
- **Libraries Tools:** Git, GitHub, Jira, Postman, Google APIs, Firebase

Professional Experience

Independent Consultant & Developer

Jan 2023 – Present

- Provided production support and feature enhancements for Android applications, ensuring stable releases and improved user experience.
- Managed Play Store deployment activities, bug fixing, crash resolution, and application maintenance.
- Collaborated directly with clients and internal teams to understand requirements and deliver timely updates.

App Knit

Oct 2021 – Nov 2022

Android Developer

- Contributed to various production-grade Android applications using **Kotlin** for international clients across various domains.
- App with Subscription module, Social authentication (**Google & Facebook OAuth**), and **ExoPlayer** audio with shuffle and rotation.
- Implemented **MVVM** architecture for maintainable and modular code structure.
- Led dual-module development app handling booking flow. Integrated **Stripe**, **FCM**, and **Branch.io deep linking**.
- Worked in a small team building Vegan Fashion Marketplace app Product browsing, brand listing, seller/buyer portal, UAT verification, **Glide**, and **Square payment** integration.
- Participated in **debugging**, **unit testing** using **Junit**, and performance optimization to ensure application stability and smooth user experience.
- Resolved a critical cross-device crash by **80%** directly patching a third-party library's source code for Android API compatibility. Monitored production stability via **Firestore Crashlytics** across all projects.

AppNAI Technologies Pvt. Ltd.

July 2021 – Oct 2021

Software Engineer

- Contributed to early-stage native app development using **Java** for an AI-driven product startup.
- Participated in architecture discussions and application planning with founding engineering team during the company's initial product-building phase.

Tpool Technologies Pvt. Ltd.

Sep 2020 – Jun 2021

Android Developer

- Developed and maintained Android applications using **Java** and **Volley** integrations.
- Worked on dynamic data rendering, **Firestore Analytics**, and **push notification** implementation.
- Contributed to application debugging, testing, and modular code improvements using **MVC architecture**.

Certifications

Android Development (Java) – NIST — Android Kotlin Development – Udemy

Education

NIST (Autonomous), BPUT

2018 – 2020

Master's Degree in Computer Application