

# TONY TOMY

Senior Android Engineer (6+ Years) | Kotlin | Jetpack Compose | Clean Architecture | Flutter

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## PROFESSIONAL SUMMARY

Senior Android Engineer with 6+ years of experience building scalable mobile applications using Kotlin, Jetpack Compose, and Clean Architecture.

Strong expertise in Kotlin Coroutines, Flow, Hilt, and modular architecture with experience integrating hardware devices, BLE communication, and high-performance media processing.

Experienced in leading development, mentoring engineers, and delivering end-to-end mobile solutions including backend integrations and AI-assisted development workflows.

Core Expertise: Android Architecture • Jetpack Compose • Kotlin Coroutines • Hardware Integration • BLE Communication • Media Processing • Flutter Cross-Platform Development

## TECHNICAL SKILLS

Android Development: Kotlin, Android SDK, Jetpack Compose, MVVM, Clean Architecture, Coroutines, Flow, Hilt

Flutter: Dart, Provider, GetX

Architecture: Clean Architecture, MVVM, Modular Android Architecture

Backend: FastAPI (Python), PHP REST APIs, Firebase

Tools: Git, Firebase Analytics, Crashlytics, Razorpay, AppLovin, IronSource, AdMob

AI-Assisted Development: ChatGPT, Gemini, Cursor

Other: BLE Communication, MediaCodec Video Processing, Unity (C#)

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer — Trensar Technology Solutions Pvt Ltd | Jan 2023 – Present

- Designed and established the initial architecture for the Quick Snap Android application using Jetpack Compose and Clean Architecture, which later scaled to a multi-developer project as the team expanded.
- Built a MediaCodec-based video processing engine optimized for background execution and memory efficiency to support high-performance media generation workflows.
- Developed BLE communication layer between Android and Unity enabling real-time video streaming, capture workflows, and device interaction with external hardware.
- Integrated Shopify, Gigya, and payment SDKs supporting scalable commerce workflows.
- Developed advanced WebView integrations with JavaScript bridges for hybrid application features.
- Led development of the GammaPro Android tablet kiosk application integrating external measurement hardware for controlled medical device environments.
- Mentored junior Android developers and participated in technical interviews and hiring.
- Currently contributing to StickerApp development focusing on scalable Android architecture.

### Software Engineer — Technical Fingers | Oct 2019 – Dec 2022

- Developed Android applications including loyalty platforms, ordering systems, and enterprise tools.
- Worked as a full-stack developer integrating Android apps with backend systems using PHP and Firebase.
- Designed and published 3–4 mobile games from scratch handling both application logic and backend integration.
- Integrated monetization SDKs including AdMob, AppLovin, Unity Ads, and IronSource.
- Implemented REST API integrations and Firebase-based backend services.

## KEY PROJECTS

### TradeMaster — Trading Journal & Analytics App

- Cross-platform trading companion application built using Flutter.
- Implemented trade journaling, analytics dashboards, position sizing calculator, SIP calculator, and trading reminders.
- Built CSV, JSON, and image-based trade import functionality with performance analytics and export to Excel/CSV.
- Developed using AI-assisted development tools (ChatGPT, Gemini, Cursor) to accelerate development and explore AI-driven workflows.

Play Store: <https://play.google.com/store/apps/details?id=com.techwonders.trademaster>

GitHub: <https://github.com/tonyvatomy/Trade-Master>

### Mint Investing

- Cross-platform stock recommendation platform built using Flutter with FastAPI backend.
- Implemented real-time market insights, Razorpay payments, and Apple In-App Purchases.
- Integrated Firebase analytics and crash monitoring.

Android: <https://play.google.com/store/apps/details?id=com.mintinvesting.mint>

iOS: <https://apps.apple.com/in/app/mint-investing/id6737239427>

### TradeX Store

- Cross-platform e-commerce mobile application built using Flutter.
- Implemented product browsing, quotation workflows, and payment integration.
- Integrated Firebase analytics and crash reporting.

Android: <https://play.google.com/store/apps/details?id=com.store.tradex>

iOS: <https://apps.apple.com/in/app/tradex-store/id6479048163>

### Happy Chat

- Real-time Android chat application using Firebase Realtime Database.
- Implemented group chats, media sharing, push notifications, and presence tracking.

Android: <https://play.google.com/store/apps/details?id=com.alphauniquemedia.happychat>

## KEY ACHIEVEMENTS

- Delivered 20+ production mobile applications across Android, Flutter, and game platforms.
- Published multiple applications on Google Play Store and Apple App Store.
- Handled full mobile product lifecycle from architecture to deployment.
- Mentored junior developers and supported Android developer hiring.

## EDUCATION

Bachelor of Computer Applications (BCA) — Mount Carmel College

## LANGUAGES

English | Malayalam | Tamil