

TRINH THI MAI

Senior Android Developer

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OBJECTIVE

- Senior Android Developer with **7+ years of experience**, delivering production applications across **IoT, payment, booking, social, and service platforms**.
- Strong expertise in **Kotlin, Jetpack Compose, Coroutines/Flow, MVVM/Clean Architecture**, with experience building applications from scratch and modernizing large legacy codebases.
- Proven **end-to-end technical ownership**, covering architecture, complex integrations, production troubleshooting, CI/CD, and release while collaborating across backend, QA, product, and hardware teams.

WORK EXPERIENCE

VoiceMap / Global App	04/2026 - Present
Android Developer	
• Maintained and modernized a large legacy Android codebase, incrementally migrating Java to Kotlin and reducing technical debt. • Designed and delivered new UI features and product flows while preserving compatibility with the existing architecture. • Investigated and resolved production issues across purchase flows, downloads, authentication, deep links, navigation, maps, and device-specific behavior. • Improved application stability through continuous crash monitoring, root-cause analysis, and production troubleshooting. • Diagnosed analytics and revenue-tracking discrepancies across third-party platforms and implemented state-persistence improvements. • Worked across Java/Kotlin, Retrofit, OkHttp, Firebase, and Android Jetpack while continuously improving code quality and maintainability. • Google Play: https://play.google.com/store/apps/details?id=me.voicemap.android	
CIPPO Platform / Japanese Market	2022 - 03/2026
Android Developer	
• Independently maintained and evolved a platform of 60+ Android applications, delivering features and production fixes across the portfolio. • Modernized legacy applications through dependency upgrades, AndroidX migration, and compatibility updates for new Android APIs/SDKs. • Developed features using Kotlin, Coroutines, MVVM, Retrofit, and Room. • Maintained application stability through Firebase Crashlytics monitoring, investigation, and issue resolution. • Ensured ongoing Google Play policy compliance and managed build/release processes using GitLab CI/CD and Google Play Console. • Collaborated with backend and QA teams in an Agile/Scrum environment to ensure delivery quality and timelines. • Google Play: https://play.google.com/store/apps/developer?id=CiPPo%E6%A0%AA%E5%BC%8F%E4%BC%9A%E7%A4%BE	
BisKE / Japanese Market	2025 - 03/2026
Android Developer	
• Extended an internal business application based on the CIPPO platform, delivering Kanban-style task management and locker/product management modules. • Built an in-app group chat experience with message search, seen status, activity timeline, and document/image media handling. • Integrated Firebase services including Authentication, Firestore/Realtime Database, Cloud Messaging, Crashlytics, Analytics, and Performance Monitoring. • Developed features using Kotlin, MVVM, Hilt, Coroutines, Navigation Component, Paging 3, Retrofit, and Glide. • Implemented multi-language support and improved UI/UX across authentication, account, chat, and document workflows. • Owned ongoing application maintenance, refactoring, crash investigation, stability improvements, and release updates	
Sony Smart Glasses / Japanese Market	2024 - 03/2025

Android Developer	
- Independently designed and developed a native Android companion app for an IoT smart-glasses device from scratch, owning the lifecycle from architecture to release. - Built the application using Kotlin, Jetpack Compose, Material 3, MVVM, and Koin. - Implemented BLE/GATT communication, including scanning, pairing, service/characteristic handling, and a custom data-transfer protocol. - Implemented Wi-Fi communication for high-bandwidth data exchange and designed connection management covering discovery, reconnect, and error recovery. - Integrated cloud APIs using Retrofit/OkHttp and Kotlinx Serialization, while handling Bluetooth, Location, and Wi-Fi permission flows across Android versions. - Owned production build and release configuration including product flavors, signing, ProGuard/R8, testing, and versioned APK generation.	
Booking Application / Japanese Market	2024 - 2025
Android Developer	
- Adapted the existing CIPPO platform as the foundation for a new booking application, reusing shared infrastructure to accelerate development. - Designed and implemented booking workflows for restaurant reservations and beauty service appointments. - Built the data layer, ViewModels, and Android UI for booking, shop listing, management, and in-app chat/matching flows. - Delivered features end-to-end from API integration through booking creation, confirmation/matching, and UI. - Managed versioning, GitLab CI/Docker-based CI/CD, production releases, and post-release bug fixes. - Continuously refined the booking experience and UI/UX based on evolving business requirements. - Google Play: https://play.google.com/store/apps/details?id=info.cippo.booking	
CTD & Wakeatte / Japanese Market	2025 - Present
Android Developer	
- Led Android development for a locker booking/management application with integrated online payments. - Built the application using Kotlin, Jetpack Compose, Material 3, Clean Architecture, and Koin. - Integrated the Fincode payment gateway covering card management, order creation, and payment processing. - Integrated REST APIs, Firebase realtime services, push notifications, Google Maps/Location, and CameraX + ML Kit barcode/QR scanning. - Built the project's initial technical foundation under a tight one-month deadline, including build configuration, dependency injection, and networking. - Owned application stability, performance monitoring, production troubleshooting, and Google Play release quality. - Google Play: https://play.google.com/store/apps/details?id=info.wakeatte.wakeatte	
Interview 5 Minutes / Japanese Market	2025 - Present
Android Developer	
- Acted as technical owner for an Android social-matching app, establishing the codebase, technical direction, and driving the real-time calling feature end-to-end. - Bootstrapped the application architecture using MVVM, Hilt, Retrofit, Firebase, and GitLab CI/CD. - Designed a custom VoIP engine around OpenTok, encapsulating call sessions, state management, signaling, and audio routing. - Implemented Socket.IO-based real-time signaling covering call invitation, ringing, state synchronization, and reconnect handling. - Designed the call domain and complete UI flow from incoming/outgoing calls through in-call, termination, and post-call matching. - Owned production call reliability and technical delivery while reviewing code, tracking progress, and mentoring interns.	
Japan & Korea Markets	2018 - 2021
Earlier Experience — <i>Android Developer</i>	
- Developed and maintained Android applications across social networking, e-commerce, and booking domains. - Worked with MVP/MVVM architectures across feature development and application maintenance. - Focused on feature delivery, bug fixing, stability, and long-term maintenance.	

SKILLS

Languages Kotlin (5+ yrs), Java, Flutter (basic): Strong Kotlin experience for production Android development,

	including Coroutines, Flow, and Java/Kotlin mixed legacy codebases.
Android Development	Jetpack Compose, Material 3, ViewModel, LiveData, Navigation, Room, WorkManager, Paging 3: Experience building both modern Compose applications and maintaining large View-based legacy Android applications.
Architecture	MVVM, Clean Architecture, MVC/MVP: Experienced in designing maintainable application architecture as well as incrementally modernizing existing legacy systems.
Asynchronous Programming	Kotlin Coroutines, Flow, RxJava: Used for reactive UI state, asynchronous workflows, networking, background processing, and real-time communication.
Networking & Real-time	Retrofit, OkHttp, Socket.IO, REST APIs, OpenTok: Experience with standard API integration as well as real-time
Dependency Injection	Hilt, Koin: Applied dependency injection across both newly designed applications and existing production projects.
Firebase & Cloud Services	Crashlytics, Analytics, Authentication, Cloud Messaging, Firestore, Realtime Database, Remote Config, Performance Monitoring, Storage: Hands-on experience with authentication, realtime synchronization, push notifications, analytics, production monitoring, and crash investigation.
Payment & Billing	Google Play Billing, Fintcode: Implemented product/subscription billing and payment flows including card management, order creation, payment processing, and production issue investigation.
Maps & Location	Google Maps, Location Services: Implemented location-based features, maps, navigation-related flows, and device/location integrations.
IoT & Device Connectivity	Bluetooth, BLE/GATT, Wi-Fi, Wi-Fi P2P: Built Android-to-hardware communication including device discovery, connection management, custom BLE protocols, data transfer, reconnection, and error recovery.
Analytics & Monitoring	Firebase Analytics, Crashlytics, Amplitude, Branch, Facebook Analytics: Experience implementing analytics events, investigating tracking discrepancies, monitoring production stability, and performing root-cause analysis.
CI/CD & Release	GitLab CI/CD, Docker, Firebase App Distribution, Google Play Console, Gradle, ProGuard/R8: Experience managing automated builds, signing/configuration, versioning, distribution, production releases, and Google Play compliance.

KEY STRENGTHS

- **Technical Ownership:** Able to drive Android projects and complex features end-to-end, from architecture and technical decisions to implementation, stabilization, and production release.
- **Complex Problem Solving:** Strong experience diagnosing production issues and delivering complex integrations across IoT/BLE, payments, real-time communication, analytics, and legacy systems.
- **Independent & Collaborative Delivery:** Comfortable working as a sole developer or technical owner while effectively collaborating with backend, QA, product, and hardware teams.