

Merlin Jeyakumar S

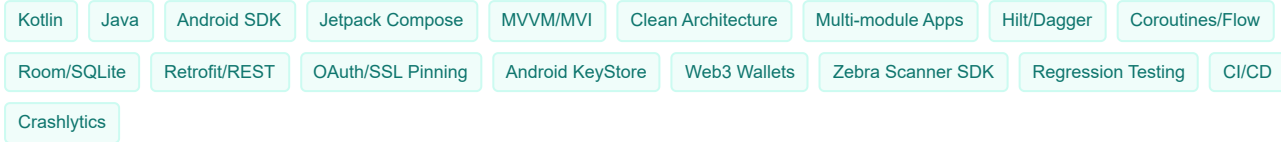
Senior Android Engineer | Kotlin | Java | Secure Mobile Applications

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PROFESSIONAL SUMMARY

Senior Android Engineer with 9 years of experience building secure, scalable Android applications for banking, fintech, Web3, blockchain, OTT, inventory scanning, social, IoT, telco/eSIM, and marketplace platforms. Strong expertise in Kotlin, Java, modular Android architecture, CI/CD automation, mobile security, wallet integration, eSIM purchase and install flows, cryptocurrency transactions, NFT marketplace features, performance optimization, architecture guidance, regression testing, release validation, and peer collaboration. Flexible to relocate for strong role fit with appropriate work authorization support.

CORE COMPETENCIES



WORK EXPERIENCE

Synechron Technologies LLC - Senior Android Engineer

Abu Dhabi, UAE | Sep 2024 - Present | Client: ADIB Mobile Banking

- Concentrated on secure workflows for DCR alignment and CI/CD stability while resolving critical production issues for ADIB Mobile Banking.
- Worked on eSIM purchase and install integrations, including carrier entitlement integration within secure mobile banking workflows.
- Applied Android KeyStore, secure storage, and mobile security primitive patterns; explored iOS Keychain, Secure Enclave, and StrongBox concepts for cross-platform security alignment.
- Used Bazel with Gradle in ADIB Android build workflows, including library declarations through TOML version catalogs and build.gradle integration.
- Applied AI-assisted engineering using modern LLM-driven processes for code quality improvements and refactoring to enable faster decision-making.

Robosoft Technologies - Senior Android Developer

Karnataka, India | Nov 2022 - Jan 2024 | Project: ETV Win OTT Streaming Platform

- Refactored legacy OTT modules into modular MVVM architecture, reducing feature integration time by approximately 35% and improving maintainability across 10+ reusable components.
- Delivered scalable OTT streaming features including onboarding and subscriptions alongside encrypted playback used across high-traffic Android media workflows.
- Introduced reusable modular components and clean UI/domain/data separation to accelerate new feature delivery cycles and reduce duplicate implementation effort.
- Supported peer developers through architecture guidance, reusable component patterns, debugging collaboration, and code quality discussions during feature delivery.
- Integrated Firebase Analytics with Remote Config and Performance Monitoring to improve crash tracking visibility and help reduce production issue resolution time by approximately 40%.
- Managed CI/CD pipelines supporting frequent production releases through automated testing, regression testing, and Crashlytics monitoring.

Digikraft.io - Freelance Android Developer (Web3 & Blockchain)

Remote | 2022 - 2024 | Valicit Crypto Event Ticketing, Blix NFT Marketplace

- Developed Android features for Ethereum-powered event ticketing, NFT marketplace, digital asset management, wallet integration, and secure mobile payment experiences.
- Built crypto ticket purchase workflows including wallet import, wallet connection, blockchain authentication, transaction initiation, confirmation handling, status tracking, and user notifications.
- Integrated Web3 connectivity between Android applications, backend services, and blockchain services to support ticket ownership, transaction verification, and event access workflows.
- Developed NFT marketplace features for NFT discovery, buying, selling, uploading, portfolio management, asset details, marketplace transactions, and collection management.
- Built NFT upload workflows using IPFS and Pinata, with metadata handling, ownership visibility, asset management, and blockchain-linked account systems.

OptiSol Business Solutions - Android Developer

Remote | Sep 2020 - Sep 2022 | Projects: Pampers Diaper Fit Finder, LitPic Video, Citibank IN

- Built Pampers Diaper Fit Finder using Kotlin and MVVM to enable multilingual onboarding and ML Kit-powered diaper size detection workflows for over 100,000 active users.

- Engineered the LitPic SDK and React Native bridge enabling AR filters, FFmpeg processing, advanced camera capabilities, native module integration, Java/Kotlin implementation, JS-to-native communication, debugging, and release support.
- Contributed to Citibank IN secure banking app using AppDome Shield and SSL/AES encryption to deliver compliant biometric and database security.
- Streamlined CI/CD pipelines, automated testing, and regression testing to improve code quality gates and reduce potential bugs in production releases.

Anainfo Pvt Ltd - Freelance Android Developer

Madurai, India | 2022 - 2023 | Project: Inventory Scanning Application

- Developed an Android inventory scanning dashboard with separate Scan and Stocks workflows for barcode-driven stock operations.
- Integrated Zebra Scanner SDK to scan product barcodes and add scanned barcode values into an in-app list for inventory processing.
- Built Stocks workflow backed by local SQLite storage and connected selected stock barcodes to REST API product detail lookup.

MithrAI Inc - Android Developer

Madurai, India | Nov 2018 - Jul 2020 | Projects: Howzit AI Messenger, CrowdAI SaaS, Dhisplash IoT Remote

- Engineered secure one-to-one and group real-time chat via WebRTC and XMPP, with RoomDB optimization for improved message load times.
- Built a voice-campaign SaaS platform using Kotlin/Java for SIP VoIP communication, secure media handling, and real-time audio workflows.
- Designed Dhisplash IoT Remote for ESP32 weather stations using TCP/IP and UDP local subnet discovery with Firebase Performance tracking.

SangVish Technology - Android Developer

Madurai, India | May 2018 - Oct 2018 | Projects: Buy2Rental, Nuvo Taxi

- Developed Buy2Rental short-term rental marketplace, improving image loading speeds by 40% using Glide and tracking stability via Firebase Performance and Splunk.
- Delivered rider and driver taxi applications with real-time tracking, fare calculation, and Firebase-powered live updates.

Cogzidel Technologies - Android Developer

Madurai, India | Oct 2017 - Mar 2018 | Projects: Anan Social Media, eLegal Forum

- Built social media and legal forum Android applications using Firebase Realtime Database, reducing data sync latency by 30% through offline-first storage workflows.

PROJECTS

- **Multi-module MVVM Architecture:** Reusable Android architecture template for scalable feature modularization.
- **Android FTP:** Plug-and-play FTP client/server implementation for Android.
- **Easy Google Authentication:** Authentication helper supporting Google APIs across Android API 18-35.
- **Inventory Scanning App:** Zebra Scanner SDK, barcode scanning, SQLite stock storage, and REST API product lookup.
- **Web3 Mobile Features:** Crypto ticketing, Ethereum wallet workflows, NFT marketplace features, IPFS/Pinata upload flows, and digital asset management.

EDUCATION

BSc - Computer Science, Madurai Kamaraj University | 2013 - 2016

CERTIFICATIONS & AWARDS

Awards: Shield Award - Best Achiever 2024; Earth Hour Competition Winner; Top Squad - Alpha 2024 and 2025 at ADIB Bank.

Certifications: Advanced Android Bootcamp 2024; Material Components for Flutter Basics; Dart Functions Framework; Getting Started with Flutter Development; Flutter for Beginners; Kotlin Essential Training; MongoDB Java, CRUD, Aggregation, Indexes, Atlas, and Data Modeling certifications.