Rakesh Lakshmipathy

Android Architect | Mobile Engineering Leader | Kotlin & Enterprise Mobility Specialist

📱 +91 – 9962778801   ✉ lakshmipathy.rakesh@gmail.com   in [LinkedIn](#)   🌐 [Portfolio](#)

To lead the design and delivery of scalable, secure, and high-performance Android applications by leveraging expertise in architecture design, enterprise mobility, healthcare IoT integrations, and end-to-end mobile lifecycle management across global environments.

🎓 Education

2011: B.E. in Electronics & Communication Engineering from Anna University

📋 Areas of Expertise

- Mobile Application Development
- Android Architecture Design
- Enterprise Mobility Solutions
- Healthcare IoT Integration
- Offline-First Application Design
- End-to-End Project Delivery
- Stakeholder Reporting
- Sprint Planning & Estimation
- Risk Management
- Release Management
- Cross-Functional Team Leadership
- Agile & Scrum Execution

⚙ Technical Skills

- **Mobile Platforms:** Android SDK, Kotlin, Java
- **Architecture & Design:** MVVM, MVP, MVC, Clean Architecture, Dependency Injection, Hilt, Dagger
- **Android Jetpack:** ViewModel, LiveData, DataBinding, WorkManager, Jetpack Compose
- **Networking & Data:** REST APIs, SOAP APIs, JSON, XML, Retrofit, Room DB, Offline Synchronization
- **Integrations:** BLE, NFC, Firebase, FCM, Realtime DB
- **Release & DevOps:** Google Play Store Publishing, Apple App Store Publishing, Bitbucket Pipelines, CI/CD
- **Enterprise Technologies:** Spring Boot, Hangfire (.NET), Workspace ONE MDM
- **Development Tools:** Android Studio, Visual Studio, Eclipse
- **Operating Systems:** Windows, macOS
- **Networking:** HTTP/HTTPS
- **Databases:** SQLite, Room DB, SQL Server, MySQL
- **Testing:** Unit Testing

👤 Profile Summary

- Possess **14 years of experience** in architecting and delivering scalable Android applications across enterprise mobility, healthcare IoT, and offline-first ecosystems using Kotlin and Java.
- Working as **Android Lead (Senior Consultant) at Infosys Ltd.,** owning end-to-end mobile delivery, architectural governance, & stakeholder reporting for global healthcare & industrial platforms.
- Demonstrated expertise in **MVVM, MVP, MVC, Clean Architecture, Jetpack components,** Dependency Injection (Hilt/Dagger), and modular Kotlin-based systems.
- Strong experience in **BLE integrations, NFC implementations, secure offline synchronization,** REST/SOAP services, and MDM-controlled enterprise deployments.
- Led cross-functional **teams of up to 20 members,** managing sprint planning, release governance, risk mitigation, and production stability improvements.
- Hands-on architect **capable of independently delivering critical modules** while mentoring engineers and enforcing enterprise-grade code quality standards.

📊 Career Timeline

Feb 2012 – Mar 2013	Apr 2013 – Jul 2014	Oct 2014 – Aug 2020	Sep 2020 – May 2021	Jun 2021 – Present
Soffel Technologies	KKM Soft Pvt. Ltd.	3Edge Solutions	AgnoShin Technologies	Infosys Ltd.

🏆 Notable Accomplishments Across The Career

- Improved application startup time and runtime performance by 30% through targeted memory optimization, background task tuning, and Jetpack component refactoring.
- Reduced production defects and post-release hotfix incidents by 70-80% by instituting stricter code review gates, static analysis checks, and regression validation cycles.
- Increased application stability and crash-free sessions by 99% by resolving edge-case failures in offline sync, background services, and device-specific behaviors.
- Accelerated feature roll-out velocity by 30% by introducing reusable UI components, standardized module templates, and shared Kotlin utilities across Android codebases.
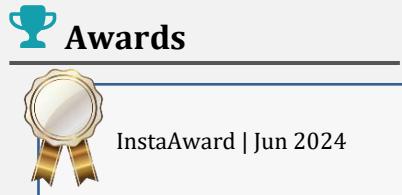
💼 Work Experience

Infosys Ltd. | Bangalore | Jun 2021 – Present
Designation: Android Lead (Senior Consultant)

Responsibilities:
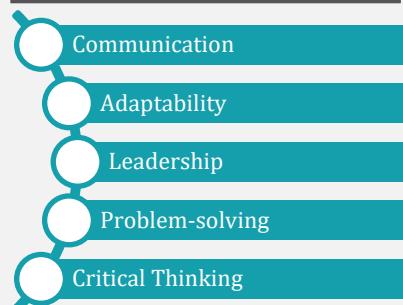
- Leading end-to-end Android delivery for enterprise and healthcare IoT applications, ensuring architectural integrity and delivery excellence.
- Acting as execution owner reporting to senior program and delivery stakeholders, managing release readiness, delivery governance, and cross-project alignment.
- Architecting offline-first Android solutions optimized for low or no-network environments, improving application reliability in field and clinical scenarios.
- Designing and developing modular Kotlin-based applications using MVVM, Clean Architecture, and REST integrations, while independently delivering critical modules.
- Managing and mentoring 15–20 member cross-functional Android teams, collaborating with backend, QA, DevOps, and product stakeholders.
- Owning Google Play Store and Apple App Store publishing processes, including controlled roll-outs, compliance checks, and production deployments.

🪪 Personal Details

Date of Birth: 15th Feb 1990
Languages Known: English, Tamil, Telugu
Address: Chennai – 603101

Client: Air Liquide – myGAS Mobile Application

◉ Led Android architecture and delivery of the myGAS enterprise mobile app, enabling barcode-based gas ordering, inventory tracking, transaction history, and compliance document access.

◉ Designed offline-capable ordering workflows and scalable REST integrations to ensure reliable order processing and stock reconciliation in industrial field environments.

Client: Air Liquide – myGAS Agent Application

◉ Delivered Android application for Air Liquide agents to scan barcodes and create/modify Cylinder Transaction Slips (CTS) for delivery and return operations.

◉ Implemented end-to-end CTS workflows including barcode validation, notes capture, and seamless handoff to ALnet for draft and final processing.

◉ Secured enterprise access using authenticated myGAS agent credentials with compliance controls.

Client: Air Liquide – Onboard Computer (OBC)

◉ Led Android implementation for enterprise onboard computer systems supporting complete trip lifecycle tracking and operational workflow.

◉ Coordinated with cross-functional teams to deliver enterprise builds via Workspace ONE MDM, enabling secure device provisioning, policy enforcement, and controlled deployments.

Client: Biofourmis – Home Hospital (Healthcare IoT Platform)

◉ Architected patient and clinician mobile workflow with BLE-based medical device integrations.

◉ Implemented Firebase Cloud Messaging and secure offline data synchronization for real-time healthcare monitoring.

AgnoShin Technologies | Chennai | Sep 2020 – May 2021
Designation: Lead Software Engineer

Responsibilities:

◉ Led Android development initiatives, driving application design, feature delivery, and code quality standards.

◉ Mentored junior engineers, conducted design reviews, and enforced best practices across Android projects.

3Edge Solutions | Chennai | Oct 2014 – Aug 2020
Designation: Android Lead / Team Lead

Responsibilities:

◉ Owned end-to-end execution of multiple Android initiatives, from requirements analysis to production release and post-deployment support.

◉ Delivered D4E Club application as the sole Android developer using Java, MVP architecture, and Liferay Mobile SDK.

◉ Acted as execution owner reporting directly to Directors, driving delivery governance, client communication, and release accountability across multiple Android initiatives.

◉ Designed and implemented Mopria Print Plugin using Java and NDK (C++), ensuring RFC2911 compliance and successful Google Play Store publication.

◉ Performed dual responsibilities as Project Manager and Team Lead, managing sprint planning, effort estimations, risk management, and release coordination.

KKM Soft Pvt. Ltd. | Chennai | Apr 2013 – Jul 2014
Designation: Android Developer

Responsibilities:

◉ Developed Android applications using Java and Android SDK, contributing to feature implementation and application stability.

Soffel Technologies | Chennai | Feb 2012 – Mar 2013
Designation: Android Developer

Responsibilities:

◉ Built and maintained Android applications, strengthening core Android fundamentals and development best practices.