

# DEEPAK KATARIA

Software Development Manager – Android SDK | Mobile Engineering Leader



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LinkedIn

## JOB OBJECTIVE

Dynamic and results-driven IT leader specializing in Android SDK development and mobile application solutions, with a focus on leading cross-functional teams and delivering high-performance software solutions in various industries.

## EDUCATION

**MCA**, BSA Institute of Technologies and Management, Faridabad, Maharshi Dayanand University, Rohtak, 2010

**B.Sc.**, Pt JLN Government College, Faridabad, Maharshi Dayanand University, Rohtak, 2007

## CORE COMPETENCIES

- Software Engineering Management
- Mobile Application Architecture
- Agile & Scrum Methodologies
- Code Review / Quality Assurance
- User Experience Design
- Software Development Life Cycle
- Android SDK Development
- Play Store Publishing Workflow
- Stakeholder Engagement
- API Integration & Mobile-Backend Coordination
- Performance Metrics Analysis
- Team Leadership Dynamics

## TECHNICAL SKILLS

**Languages & Frameworks:** Kotlin, Java, Android Jetpack, Compose

**Tools & Build Systems:** Android Studio, Gradle, Git, Postman, JIRA

**Databases & APIs:** Room, SQLite, Retrofit, Firebase

**Testing:** JUnit, Espresso, Mockito

**Principles:** SOLID Principles, Clean Code

**Tools & Version Control:** Git, JIRA, Postman, and Android Studio.

## PROFESSIONAL SUMMARY

- 13+ years of experience in **Android SDK & mobile application development**.
- Expertise in **Kotlin, Java, Jetpack, Compose, Retrofit, Firebase, AIDL, Room, and Clean Architecture (MVVM, MVP, Modular)**.
- **Software Development Manager** leading teams to build high-performance SDKs & enterprise apps with Agile practices.
- Skilled in **stakeholder engagement, performance optimization, Play Store publishing**.
- Recognized for mentoring developers, scaling SDKs, and delivering solutions for **fintech, government, and enterprise domains**.

## WORK EXPERIENCE

**Nov'2023 to Present: Software Development Manager (Android) at Evolute Fintech Innovations, Bengaluru**

### Role:

- Managing the entire lifecycle of Android SDK development projects, ensuring alignment with business objectives and technical requirements while maintaining high standards of quality and performance.
- Cultivating strong relationships with stakeholders, facilitating effective communication and collaboration to ensure project milestones are met and expectations are exceeded.
- Leading backlog refinement sessions and sprint planning meetings, driving the agile development process to enhance team productivity and project outcomes.
- Providing mentorship and technical guidance to team members, fostering a culture of knowledge sharing & continuous improvement in coding practices and architectural decisions.
- Conducting thorough code reviews to ensure adherence to best practices and architectural standards, while also identifying opportunities for optimization and enhancement.
- Collaborating with cross-functional teams to define project scope, objectives, and deliverables, ensuring alignment with overall business strategy and client needs.
- Implementing innovative solutions for payment device operations, enhancing the functionality & reliability of the Android SDK Service to meet evolving market demands.

### Achievements:

- Successfully launched the Evolute SDK Service, which streamlined payment device operations and improved transaction processing times by 20%, significantly enhancing user satisfaction.
- Mentored a team of developers, resulting in a 30% increase in team productivity and a marked improvement in code quality and project delivery timelines.

**Oct'2015 to Oct'2023: Software Tech Lead (Android) at MapmyIndia (CE Info Systems), Delhi**

**Jan'2014 to Oct'2015: Sr. Android Developer at Star Mobileoid2 Technologies Pvt. Ltd., Gurugram**

**Nov'2012 to Jan'2014: Android Developer at Quy Technology Pvt. Ltd., Gurugram**

## PERSONAL DETAILS

- Address** : Plot – 101 3rd floor Amolik Residency Sec 86, Faridabad, Haryana
- Languages Known** : English, Hindi, Punjabi
- Date of Birth** : 26th July 1986

## CERTIFICATIONS

- **CSPO (Certified Scrum Product Owner)**
- **Agentic Artificial Intelligence: Harnessing AI Agents to Reinvent Business, Work, and Life (LinkedIn)**
- **What Is Generative AI? (LinkedIn)**

## PROJECTS ANNEXURE

**Evolute Fintech Innovations, Bengaluru:**

### **Evolute SDK Service (Payment Devices)**

**Overview:** Designed and developed an Android SDK to seamlessly integrate secure payment functionalities—EMV, contactless, and magnetic stripe card transactions—into third-party applications, enabling robust payment device communication.

**Tech Stack:** Android, Java, AIDL (Android Interface Definition Language)

**Key Contributions:**

- Engineered and maintained a reliable, scalable Android SDK for payment device operations.
- Led code reviews and enforced quality standards to ensure consistency and maintainability.
- Mentored junior developers, promoting best practices in SDK development and integration.
- Ensured performance optimization and overall SDK stability.

### **Prowess SDK (Non-Payment Devices)**

**Overview:** Built an Android SDK enabling smooth interaction with smart non-payment hardware like biometric scanners and printers, enhancing application-hardware communication.

**Tech Stack:** Android, Java, Android Jetpack Libraries

**Key Contributions:**

- Developed and maintained SDK modules for peripheral device integration.
- Provided mentorship and technical guidance on integration standards and SDK usage.
- Conducted code audits to maintain high-quality deliverables.
- Ensured high availability and minimal downtime of the SDK service.

### **FPS IRIS SDK**

**Overview:** Created an Android SDK supporting IRIS biometric devices for secure identity authentication in government and fintech platforms (e.g., Aadhaar Authentication, eKYC).

**Tech Stack:** Android, Java, USB Serial APIs, Retrofit, Android Jetpack Libraries

**Key Contributions:**

- Drove the development of a reliable biometric authentication SDK with USB communication support.
- Guided junior team members on biometric integration techniques and SDK architecture.
- Performed rigorous code reviews to enforce best practices.
- Delivered a robust and stable SDK adopted in real-world authentication solutions.

**MapmyIndia (CE Info Systems), Delhi:**

### **WorkMate Android App – Field Workforce Management**

**Google Play Link:** [WorkMate on Play Store](#)

**Versions Delivered:** v1.0 to v6.8.0 (latest)

**Overview:** Led the end-to-end development of *WorkMate*, a location-enabled field workforce management solution that provides real-time visibility and operational insights for businesses. The app supports offline check-ins, live tracking during work hours, and guided

navigation, enhancing field staff productivity even in low-network zones.

**Tech Stack:** Android, Java, MVP Architecture, Retrofit, Realm DB, Android Jetpack Libraries

**Key Contributions:**

- Delivered multiple major versions from 1.0 to 6.8.0, ensuring backward compatibility and performance improvements.
- Designed and implemented key features, including smart check-ins, address auto-detection, and real-time tracking within user-defined work hours.
- Wrote unit tests to ensure code quality and maintained consistent app performance across Android versions.
- Led debugging and performance optimization, focusing on root cause analysis and long-term fixes.
- Collaborated across teams to align technical development with business goals & continuously suggested UX/UI & codebase enhancements.

### InTouch Android SDK – Real-Time Location Tracking Library

**GitHub Link:** [MapmyIndia InTouch SDK](#)

**Overview:** Contributed to the design and development of *MapmyIndia's InTouch SDK*, a lightweight Android library offering real-time location tracking for third-party applications. The SDK is highly customizable and built to provide seamless integration and accurate live tracking capabilities.

**Tech Stack:** Android, Java, Room DB, Retrofit, Android Jetpack Libraries, Abstract Factory Design Pattern

**Key Contributions:**

- Owned the development of multiple SDK components, ensuring modularity, testability, and reusability.
- Actively participated in requirements gathering, solution architecture, and documentation.
- Delivered custom SDK features based on client-specific needs, maintaining backward compatibility and flexibility.
- Collaborated with stakeholders to align SDK capabilities with product strategy and customer use cases.
- Proposed design improvements and code refactoring to enhance performance, scalability, and integration simplicity.

### Digital Sky – Aeronautical Compliance Component (MapmyIndia Library Project)

**Play Store:** [Digital Sky Platform](#)

**Overview:** Developed a modular Android map component to support India's regulatory drone ecosystem through the *Digital Sky* platform. The solution empowers RPAS (Remotely Piloted Aircraft Systems) operators to file mandatory flight plans and comply with NPNT (No Permission-No Takeoff) policies enforced by aviation authorities.

**Tech Stack:** Kotlin, Java, MVVM, Retrofit, Jetpack Libraries, Material Design

**Key Contributions:**

- Architected and implemented end-to-end feature modules aligned with government regulatory standards for drone flight authorization.
- Led a cross-functional team, mentoring developers on scalable architecture and integration practices.
- Drove initiative-wide improvements in usability & system performance by suggesting refined workflows and optimizing UI components.
- Ensured codebase quality and compliance through rigorous review cycles and adherence to evolving industry protocols.

### MapmyIndia MyKids – Smart School Bus Tracking App

**Play Store:** [MyKids App](#)

**Overview:** Delivered a secure, real-time Android application tailored for parents to monitor their child's school bus commute. Features include live bus tracking, route history, pickup/drop-off alerts, and navigation—enhancing both transparency and student safety.

**Tech Stack:** Kotlin, Java, MVVM, Retrofit, Firebase (Push Notifications, Analytics), Jetpack Libraries, Material Design

**Key Contributions:**

- Owned full-cycle development of critical app features, from real-time GPS integration to event-driven UI updates.
- Built intuitive, data-rich interfaces to visualize bus routes, timelines, and live location data with performance efficiency.
- Integrated Firebase for robust real-time communication and analytics-driven feature enhancement.
- Identified and resolved complex runtime issues, significantly improving app reliability and reducing crash rates.
- Collaborated with stakeholders to continuously refine user journeys, aligning product functionality with user needs.

### MapmyIndia Mappis App – Live Location Sharing Module

**Project Summary:**

Enhanced the *MapmyIndia Move* app by developing and optimizing the Live Location Sharing feature, enabling users to share precise real-time locations using unique eLoc (digital address) identifiers. This improved social navigation and personal safety by allowing friends, family, or emergency contacts to track user location with ease.

**Tech Stack:** Kotlin, Java, MVVM, Retrofit, Firebase (Push Notifications & Analytics), Jetpack Libraries, Material Design

**Key Contributions:**

- Designed and optimized the real-time location-sharing module with seamless UI and backend integration.
- Conducted deep performance profiling to ensure smooth rendering and minimal battery impact during live tracking sessions.
- Delivered robust code enhancements and bug fixes to improve tracking accuracy and reduce location drift.
- Aligned feature functionality with user experience goals and integrated analytics to monitor adoption and usage trends.

### MapmyIndia InTouch App – Workforce & Fleet Tracking Solution

**Overview:** Developed and maintained *InTouch*, an enterprise-grade mobile solution for tracking vehicles and field personnel in real time. The app enables organizations to monitor both assets and employees, integrating seamlessly with the Workmate platform to deliver unified tracking and management.

**Tech Stack:** Java, MVP Architecture, Volley, Firebase (Push Notifications & Analytics)

**Key Contributions:**

- Spearheaded the development of key modules for real-time GPS tracking and workforce coordination.
- Took end-to-end ownership of features, ensuring functionality, stability, and performance from design to production.
- Applied root cause analysis to resolve complex bugs, optimize data sync, and reduce latency in location updates.
- Collaborated cross-functionally to align technical implementation with core business objectives and client expectations.
- Proposed and implemented UX enhancements and architectural improvements to support scalability and maintainability.