

Aditya Devdas Kamath

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Android Engineer | Ex-Microsoft | Scaled Apps to 20 Mn+ Daily Active Users | AOSP, React Native, Kotlin, Generative AI

SUMMARY

Lead Android Engineer with 10+ years of experience leading cross-functional teams and driving technical strategy across multiple platforms. Proven track record of architecting scalable, secure mobile solutions and modernizing complex codebases to improve developer velocity and long-term maintainability. Expertise in designing modular SDKs used across feature teams, and a strong advocate for clean architecture, Kotlin-first development, and performance optimization. Skilled in leveraging AI applied engineering to automate routine tasks, enhance system capabilities, and drive intelligent decision-making processes in day-to-day workflows. Experienced in mentoring engineers, aligning technical vision with business goals, and influencing product direction through innovative engineering leadership.

SKILLS

OS and Programming Language: Android, iOS, Kotlin, Java, Linux, Windows, Mac, Typescript, Python

Frameworks & Tools: Android SDK, React Native, Flutter, Compose, MVVM, Dagger/Hilt, Work Manager, AIDL, AOSP, Coroutines, Service, Jira, Confluence, Jenkins, TeamCity, Bitbucket, GitHub

Security & Protocols: OAuth, OpenId, PKI, Encryption - HMAC, AES-GCM, RSA, ECDSA, REST, Web Socket, UDP

Applied AI/ML: CodeLlama, RAG, Embedding Search with CodeBERT and FAISS, Prompt Engineering

Programming Paradigms: Functional Programming, Reactive Programming, Unit Testing, Test Driven Development

CORE COMPETENCY

Technical Leadership & Strategy: Driving architectural decisions and leading cross-platform initiatives.

Modular Architecture & SDK Design: Expertise in creating reusable, maintainable SDKs.

Performance Optimization: Enhancing build times and application performance.

Mentorship & Team Development: Guiding engineering teams and fostering a culture of continuous improvement.

Cross-Functional Collaboration: Aligning technical vision with business goals.

EXPERIENCE

Lead Software Engineer, EPAM Systems - Bangalore

Mar 2025 - Present

- Architected and led the migration of an Android app into a modular provisioning SDK (AAR), enabling ODMs to auto-claim devices to organizations, reducing integration time and standardizing policy enforcement across product lines.
- Leading rapid PoC development and feasibility analysis to drive innovative solutions and accelerate decision-making.
- Developed and deployed an on-premise generative AI-powered KDocs solution using CodeLlama, reducing manual documentation efforts by 40% and significantly improving content accuracy and team productivity.
- Developed and maintained privileged applications within an AOSP platform, enhancing device management capabilities and ensuring compliance with enterprise security standards.
- Coaching and mentoring a team of engineers to foster technical growth and deliver high-impact solutions.

Software Engineer, Microsoft - Bangalore

Aug 2021 - Jun 2022

- Enabled seamless file download on Android via the JavaScript Teams SDK, empowering third-party developers to programmatically trigger content downloads. Partnered with platform and SDK teams to define consistent APIs, increasing download success rates by 70% and significantly improving developer experience.
- Led cross-platform delivery of image export capabilities using the Lens SDK, aligning Android and iOS teams to define unified contracts in the Teams JS SDK. This initiative reduced friction in content sharing flows and decreased user abandonment during exports by 35%.
- Streamlined integration between Lens and Teams SDKs, resolving technical inefficiencies and aligning multi-disciplinary stakeholders (PM, design, and engineering). The effort accelerated the release cadence for critical media workflows with high visibility across leadership.
- Delivered JavaScript SDK contracts for Live Share in the Microsoft Teams mobile app, enabling co-watch, co-create, and co-edit features during meetings. Collaborated with globally distributed teams (US, Europe, India) to ensure robust real-time integrations, scalability, and architectural alignment with strategic product goals.
- Introduced the "Fast Run" feature in Android Studio, reducing incremental build times by 30% and significantly boosting developer velocity. This enhancement benefited 30+ teams and addressed a long-standing pain point in mobile development workflows.
- Mentored junior engineers in SDK architecture and modular design, fostering a culture of clean code, scalability, and long-term maintainability across mobile engineering teams.

Apps on Play Store: [Microsoft Teams](#), [ImageOutputFormats](#), [FileDownload](#), [Live Share](#)

Senior Software Engineer, Victoria's Secret - Bangalore*Aug 2019 - Jul 2021*

- Led a team of 2 software engineers for the development of the new user onboarding flow. Implemented A/B testing on the Onboarding flow, for understanding user behaviour and conversion rate
- Elevated unit test coverage from 65% to 86%, enhancing code reliability and facilitating easier refactoring.
- Authored a comprehensive best practices guide, streamlining team workflows and reducing code review iterations, thereby promoting consistency and efficiency across the development process.
- Led the evaluation and selection of a crash reporting solution for the Android application, conducting a comprehensive analysis of available tools based on integration complexity, real-time reporting capabilities and compatibility with existing CI/CD pipelines. Collaborated with cross-functional teams to ensure seamless implementation, resulting in improved crash detection, faster issue resolution, and enhanced application stability.
- Spearheaded the onboarding and adoption of a new crash reporting solution. These sessions equipped team members with the necessary skills to effectively utilize the tool, fostering a culture of continuous learning and ensuring consistent application of best practices across the development process.

Apps on Play Store: [Victoria's Secret](#), [Pink](#)

Development Engineer , Philips Lighting - Bangalore*Apr 2017 - Aug 2019*

- Developed an innovative IoT-based lighting commissioning solution, streamlining setup and configuration of smart luminaires and significantly reducing installation time and complexity.
- Collaborated with design teams in Europe, backend teams in China, and development teams in India to ensure seamless integration and deployment across global markets
- Recognized with the CEO Award for Best Innovations, highlighting the project's impact on operational efficiency and technological advancement.

Apps on Play Store: [Interact Pro](#), [Service Tag](#)

Senior Android Engineer, Magnasoft - Bangalore*Apr 2016 - Apr 2017*

- Developed live tracking of child and community view on the google map when SOS is pressed in wearable
- Modified the system-level launcher application to align with specific product requirements and enhanced user experience • Optimized application performance by mitigating UI jank caused by backpressure from high-frequency location updates received from the server. Implemented efficient data handling mechanisms to manage the influx of location data, ensuring smooth UI rendering and responsiveness.

Software Engineer, Robosoft - Bangalore*Jun 2014 - Apr 2016*

- Solely designed, developed, and architected the HP Latex Mobile App with full tablet and phone compatibility, using the MVP design pattern to ensure Separation of Concerns. Led the project end-to-end from inception to Play Store delivery while collaborating with cross-functional teams in Spain.
- Implemented certificate pinning to enhance app security by preventing man-in-the-middle (MITM) attacks, ensuring encrypted communication between client and server.

Apps on Play Store: [HP Latex](#)

Assistant System Analyst, Gray Matrix - Mumbai*Oct 2012 - Jun 2014*

- Developed a To-Do application for scheduling tasks and alarms and sync the data to the server

EDUCATION

Bachelor of Engineering , Computer Science

Mangalore Institute of Technology And Engineering

Jun 2008 - Apr 2012

Percentage: 60.91