

Nagarajan Ravikumar

Technical Manager · Mobile Platforms

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PROFESSIONAL SUMMARY

From Mobile Engineer to Technical Manager, with over a decade of experience delivering scalable mobile platforms. Led architecture initiatives and managed teams of 15+ engineers while maintaining rigorous engineering standards.

PROFESSIONAL EXPERIENCE

Software Engineering Manager

Mar 2024 – Present

7-Eleven • Dallas, TX

- Lead three specialized core teams totaling 15+ engineers who build and release the 7-Eleven, Speedway, and 7Now mobile applications, while partnering with 8+ product pods to deliver features and services across the platform.
- Orchestrated the consolidation of 7-Eleven and Speedway codebases into a unified platform, reducing development costs by 50% and without impacting delivery timelines.
- Driving release management for 7-Eleven and Speedway mobile apps, ensuring stability improvements and compliance with the latest SDK standards across both platforms.
- Led technical modernization efforts including the migration to Compose for Android and SwiftUI for iOS, while directing comprehensive library audits and upgrades to support the latest OS versions.
- Led code quality initiatives by driving SonarQube integration and establishing quality standards for shared frameworks and reusable UI components used across all three applications.
- Partnered with Security teams to enhance the organization's security posture by implementing security best practices and measures throughout the mobile application ecosystem.
- Launched automation initiatives for mobile frameworks to streamline development processes and reduce manual testing efforts.
- Work cross functionally to identify industry best practices and reusable solutions, leading their integration into various 7-Eleven mobile apps.

Engineering Leadership

Mobile Strategy

Platform Architecture

Senior Software Engineer

Mar 2021 – Mar 2024

Wayfair • Boston, MA

- Led the warehousing Android platform, enabling feature teams to scale workflows and ship faster across fulfillment operations.
- Introduced app-wide state serialization so associates resume work from cached context, boosting throughput and reliability.
- Modernized core workflows from MVP to MVI architecture, reducing defects and easing future feature work.
- Onboarded and mentored new Android engineers, accelerating team productivity and platform adoption.
- Leveraged Kotlin, Coroutines, Dagger/Hilt, SQLDelight, and Jetpack Compose to deliver resilient, maintainable mobile solutions.
- Partnered on the Nexus warehouse management system rollout supporting 18 fulfillment centers, 8,000+ users, and 124M scans in H1 2022.

Android

Kotlin

Platform Enablement

Software Engineer

Jun 2019 – Mar 2021

Wayfair • Boston, MA

- Co-created Wayfair's Nexus warehouse management platform, replacing legacy RF hardware with touchscreen Android devices.
- Implemented reusable modules that powered 45+ warehouse workflows and millions of weekly scans.
- Partnered with operations to pilot and iterate on mobile workflows across 18 fulfillment centers.
- Established the platform as a separately deployable component, improving release cadence and scalability.

Warehouse Tech

Android

Scale

Senior Android Engineer

Sep 2018 – Jun 2019

7-Eleven • Dallas, TX

- Extended the consumer mobile platform that powers checkout, fuel rewards, and delivery journeys for 7-Eleven and Speedway brands.
- Partnered with seven product pods to deliver reusable modules and accelerate release cadence across the portfolio.

Android

Retail

Platform Strategy

Senior Android Engineer

Jul 2018 – Sep 2018

Delta Air Lines • Atlanta, GA

- Shipped rapid Android enhancements for the Fly Delta experience to support day-of-travel servicing and loyalty features.
- Collaborated with design and QA in an agile release train to deliver high-quality updates under accelerated timelines.

Android

Aviation

Contract Delivery

Technical Lead

Dec 2014 – Jun 2018

Fusion Global Technologies and Solutions • Chennai, India

- Led an eight-person mobile practice delivering asset-tracking and logistics platforms across global retail and supply-chain clients.
- Directed TrackX TrueMobile, IVT forklift tracking, and Container Centralen mobility programs from concept to deployment, cutting fleet idle time and inventory shrinkage.
- Standardized engineering playbooks, CI pipelines, and device integration (RFID, barcode, UWB) to reduce delivery variance by double digits.

Mobile Development

Technical Leadership

RFID & IoT

Software Engineer

May 2012 – Dec 2014

Naso Technologies Pvt Ltd • Chennai, India

- Delivered HIPAA-aligned mPathy mental-health assessments with WebRTC consults, offline interview capture, and automated sync safeguards.
- Built the mFirst mobility framework to accelerate Android deployments with cloud content controls, push orchestration, and modular UX delivery.
- Prototyped Google Glass surgical capture for Lifeline Hospital, enabling live OR streaming and clinician collaboration on wearable hardware.

Android

Product Delivery

Client Solutions

EDUCATION

Masters of Computer Application

University of Madras • Chennai, India

2009 – 2012

Bachelor of Computer Application

Thiruthangal Nadar College • Chennai, India

2006 – 2009