

NAGARAJAN RAVIKUMAR

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PROFESSIONAL SUMMARY

Technical Manager with 11+ years of mobile platform engineering expertise. Proven track record progressing from architecting Android frameworks to leading teams of 15+ engineers. Deep technical foundation in Java, Kotlin, and modern architecture patterns combined with strategic leadership capabilities. Skilled at aligning technology initiatives with business goals while maintaining engineering excellence and delivering scalable, high-performance solutions.

CORE COMPETENCIES

Leadership & Strategy: Engineering Leadership, Cross-Functional Team Management, Technical Architecture, Platform Strategy, Mentorship & Coaching

Mobile Development: Android, iOS, Kotlin, Swift, Java, Jetpack Compose, SwiftUI, MVI Architecture, MVVM, MVP

Platform & Architecture: GraphQL Federation, Module Federation, Modular Architecture, State Serialization, Reusable Component Design

Backend & Data: GraphQL, RESTful APIs, SQLite, Room ORM, SQLDelight, Firebase, AWS SNS, FCM

DevOps & Build Systems: Gradle, Maven, Jenkins, Buildkite, GitLab CI/CD, SonarQube, Git, GitHub

Hardware & IoT: RFID, Barcode Scanning, UWB, iBeacon, Zebra Devices, Raspberry Pi, NFC

PROFESSIONAL EXPERIENCE

Software Engineering Manager | Mar 2024 – Present

7-Eleven LLC | Dallas, TX

- Lead three specialized core teams totaling 15+ engineers building 7-Eleven, Speedway, and 7Now mobile applications serving 10M+ monthly customers
- Orchestrated consolidation of 7-Eleven and Speedway codebases into unified platform, reducing development costs by 50%
- Led technical modernization efforts including migration to Compose for Android and SwiftUI for iOS with comprehensive library audits
- Led code quality initiatives by driving SonarQube integration and establishing quality standards across three applications
- Identified and eliminated redundant spend through reusable libraries, saving business \$1M+ annually

Senior Software Engineer | Mar 2021 – Mar 2024

Wayfair LLC | Boston, MA

- Continued support for Wayfair's Nexus warehouse management platform, driving framework maturity and team adoption
- Developed centralized web application with critical notifications and single sign-on capabilities for warehouse operations
- Implemented GraphQL Federation and Module Federation to create reusable components and services

Software Engineer | Jun 2019 – Mar 2021

Wayfair LLC | Boston, MA

- Led framework team initiatives supporting Nexus, serving 8,000+ users and processing 124M+ scans
- Built Android-based framework adopted by 15+ teams, enabling 55+ workflows for warehouse management
- Introduced app-wide state serialization, significantly improving performance and user workflow continuity
- Migrated core workflows from MVP to MVI architecture, modernizing codebase

Senior Android Engineer | Sep 2018 – Jun 2019

7-Eleven (via Fusion Global Technologies) | Dallas, TX

- Built Mobile Checkout feature enabling customers to scan barcodes and complete secure in-app payments
- Developed end-to-end mobile checkout workflow supporting multiple payment methods

- Designed hardware validation system using Raspberry Pi and Python to verify purchases

Senior Android Engineer | Jul 2018 – Sep 2018

Delta Air Lines | Atlanta, GA

- Quickly ramped up on Delta's codebase and began contributing to Fly Delta mobile app within first weeks
- Enhanced seat upgrade and upsell feature supporting multiple payment methods
- Shipped rapid Android enhancements supporting day-of-travel servicing across millions of users

Technical Lead | Dec 2014 – Jun 2018

Fusion Global Technologies and Solutions | Chennai, India

- Built and led first mobile team with 8+ engineers, delivering asset-tracking and logistics platforms
- Spearheaded Container Centralen, major greenfield project for container management and logistics
- Directed TrackX TrueMobile and IVT forklift tracking programs from concept to deployment
- Standardized engineering playbooks, CI pipelines, and device integration across all projects

Software Engineer | May 2012 – Dec 2014

Naso Technologies Pvt Ltd | Chennai, India

- Delivered HIPAA-aligned mPathy mental-health assessments with WebRTC consults and offline capture
- Built mFirst mobility framework to accelerate Android deployments with cloud content controls
- Prototyped Google Glass surgical capture for Lifeline Hospital enabling live OR streaming

EDUCATION

Master of Computer Science | University of Madras, Chennai, India | 2009 – 2012

Bachelor of Computer Science | Thiruthangal Nadar College, Chennai, India | 2006 – 2009