

# Adam Rowe

## Staff Mobile Engineer

Staff Mobile Engineer with 15+ years architecting and shipping iOS, Android, and React Native applications across healthcare, pharmaceutical, and tech industries. Expert in mobile architecture, full-stack development, and DevSecOps with proven track record delivering million-user platforms. Leverage cutting-edge AI development tools (Claude Code, GitHub Copilot, custom MCP integrations) to accelerate delivery 10x while maintaining architectural excellence and code quality. Experience includes both deep technical contributions and technical leadership of small teams in startup and enterprise environments.

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## Key Technical Achievements

- **Mobile Re-Platform Architecture:** Architected complete native mobile transformation for million-user healthcare platform, designing modular Swift/Kotlin codebase replacing legacy webview architecture with modern, scalable native implementation
- **M&A System Integration:** Designed and implemented technical integration bridging three isolated pharmacy technology stacks (NexGen, McKesson, Walgreens), unifying authentication, customer identity, and prescription management systems
- **Mobile Architecture Authority:** Served as principal architect for enterprise mobile platforms serving millions of daily users, making critical technical decisions on performance optimization, security implementation, and scalability patterns
- **CI/CD & DevOps Excellence:** Achieved 40-95% improvements in pipeline performance through infrastructure optimization, automated testing implementation, and security automation using modern DevSecOps practices
- **Healthcare Security Implementation:** Designed and deployed HIPAA/HITECH-compliant security frameworks including Azure Key Vault integration with Managed Identity, automated vulnerability scanning, and secure coding enforcement
- **Production Quality Standards:** Maintained 99.9% crash-free session rate across consumer mobile applications through comprehensive testing strategies, proactive monitoring, and rapid incident response

## Professional Experience

Walgreens • **Application Security Engineer** • 8/2025 - Present

- Architected automated security validation system for Azure Key Vault secrets using Managed Identity, eliminating plaintext credential exposure across flagship mobile healthcare applications
- Achieved 95% reduction in CI/CD pipeline wall times through Python-based automation and security tooling optimization, accelerating mobile release cycles while strengthening HIPAA/HITECH compliance
- Designed security automation frameworks integrated directly into mobile development workflows, enabling shift-left security practices without impacting developer velocity
- Built Python-based vulnerability remediation tools automating security scanning, prioritization, and tracking across mobile application codebases

**Rite Aid • Principal Manager, Mobile Applications • 1/2025 - 8/2025**

- Returned at elevated level to lead mobile application technical strategy and optimize engineering processes (role concluded due to Rite Aid bankruptcy proceedings)
- Re-established mobile architecture best practices and CI/CD pipeline optimization across iOS and Android platforms
- Strengthened mobile application security posture through implementation of automated security scanning and compliance validation

**Dr. Treat • Lead Front-End Engineer (Web and Mobile) • 5/2022 - 10/2024**

- Architected Nx monorepo managing React Native mobile applications (iOS/Android) and multiple React web applications, enabling code sharing, consistent tooling, and rapid parallel development across platforms
- Led technical team as third engineer from greenfield to successful market launch and exit in two years, establishing mobile architecture patterns and development standards
- Implemented comprehensive CI/CD pipelines with automated testing and deployment for both mobile and web platforms, enabling rapid iteration in resource-constrained startup environment
- Developed full-stack features across React Native mobile, React web, and Node.js backend, demonstrating technical versatility across the entire application stack

**Rite Aid • Lead Mobile Engineer / Senior Solutions Architect • 7/2020 - 5/2022**

- **Architected 8-figure native mobile re-platform**, designing complete migration from legacy webview to native Swift (iOS) and Kotlin (Android) implementation with full codebase modularization using Swift Package Manager and Maven
- **Designed technical integration** for Walgreens acquisition of Bartell's pharmacy chain, architecting unified authentication, customer identity, and prescription management systems bridging three isolated technology stacks
- **Served as mobile architecture authority** for all customer-facing digital solutions serving millions of daily users, making critical technical decisions on performance, security, and scalability while winning multiple innovation awards
- **Evaluated enterprise platform solutions** including feature flag platforms (LaunchDarkly, Split) and data lake technologies (Salesforce, Google), conducting technical assessments and providing architectural recommendations
- **Architected COVID-19 vaccine scheduling system** for National Vaccination Council, designing HIPAA-compliant platform handling scheduling, inventory management, and reporting for millions of users
- **Improved CI/CD pipeline efficiency 40%** through automated testing implementation, deployment optimization, and infrastructure as code practices across mobile and digital platforms
- **Implemented modular mobile architecture** using Swift Package Manager (iOS) and Maven (Android), establishing reusable component libraries and dependency management patterns enabling rapid feature development
- **Established secure coding frameworks** and HIPAA/HITECH compliance practices across mobile platforms, implementing automated security scanning and vulnerability remediation workflows

**Le Tote • Lead iOS Engineer • 4/2018 - 7/2020**

- Architected and implemented iOS application for consumer-facing fashion rental platform, owning complete technical lifecycle from design to App Store deployment

- Maintained exceptional 99.9% crash-free session rate through comprehensive testing strategies, proactive monitoring with Firebase/Crashlytics, and rapid incident response
- Implemented automated testing and CI/CD pipelines using fastlane on CircleCI Orbs, streamlining deployment process and reducing release cycle time
- Developed full-stack features across iOS Swift, Rails backend, and React/Redux web frontend, including Apple Sign-In integration and GraphQL API migration

**Meltwater • Android Developer • 10/2015 - 4/2018**

- Developed hybrid Android enterprise social media management application published to Google Play, achieving thousands of active installations
- Improved application responsiveness by 3-5 seconds through multi-threading optimization, performance profiling, and efficient data loading strategies
- Led codebase modernization from Java to Kotlin, establishing modern Android development practices and architectural patterns for team adoption

**Phoenix Software International • Software Developer • 1/2013 - 10/2015**

- Developed middleware and presentation layer components across desktop, Android, and web platforms for enterprise communications software
- Optimized TCP/IP protocol performance 40% by replacing zip-compressed XML with binary dictionary compression
- Enhanced Android client network protocol efficiency 200% through targeted optimization of proprietary communication protocol

## Side Projects & Continuous Innovation

**Snagg (snagg.meme) • Founder / Lead Developer • 2024 - Present**

- Building AI-powered meme search and curation platform, architecting full-stack application with modern web technologies and preparing mobile App Store launches
- Leveraging Claude Code and custom MCP integrations to accelerate development velocity, demonstrating 10x productivity improvements through AI-assisted development
- Designing credit-based monetization model with anonymous sharing functionality for iOS and Android platforms

**Swoop Chat • Founder / Lead Developer • 2023 - 2024**

- Developed event-based social meetup mobile application with location-based discovery and ephemeral sessions using React Native and Expo
- Implemented Turborepo monorepo architecture with Next.js backend, demonstrating modern full-stack mobile development practices
- Integrated real-time chat functionality and location services for seamless user experience

**The Low Post • Creator / Developer • 2024**

- Created automated sports newsletter with AI-curated content delivery, leveraging natural language processing for content aggregation

# Education & Technical Expertise

Wake Technical Community College • Computer Programming Certificate, Java • 2012

## Technical Skills & Specializations

**Mobile Development:** iOS (Swift, Objective-C, SwiftUI, UIKit), Android (Kotlin, Java, Jetpack Compose), React Native, Expo, mobile architecture patterns (MVVM, Clean Architecture), App Store/Play Store publishing

**Full-Stack Development:** React, Next.js, Node.js, TypeScript, JavaScript, Rails, GraphQL, REST APIs, microservices architecture, monorepo tooling (Nx, Turborepo)

**DevOps & CI/CD:** fastlane, CircleCI, GitHub Actions, infrastructure as code, automated testing (Jest, XCTest, Espresso), deployment automation, performance monitoring

**Cloud & Infrastructure:** Azure (Key Vault, Managed Identity, App Services), AWS (S3, Lambda, CloudFront), cloud-native architecture, serverless patterns, hybrid cloud strategies

**Security & Compliance:** Application security, HIPAA/HITECH compliance, NIST frameworks, secure coding practices, vulnerability scanning, penetration testing, security automation

**AI-Powered Development:** Claude Code, GitHub Copilot, OpenAI Codex, Google Gemini, z.ai, opencode, custom MCP server integrations, AI-assisted rapid prototyping (10x velocity improvement)

**Architecture & Design:** System design, mobile architecture patterns, API design, database modeling, microservices, event-driven architecture, scalability planning, performance optimization