MANOJ WAGH

Vice President, Software Engineering | Solution Architecture & AI Integration

(973) 462-3537 | waghman@gmail.com | Plano, TX | LinkedIn

EXECUTIVE SUMMARY

Results-driven VP of Engineering with 22+ years architecting and delivering large-scale software & mobile solutions for Fortune 500 financial and enterprise clients. Expert in iOS, Java and Android native/hybrid development (Web), AI integration, and leading distributed engineering teams. Proven ability to reduce development velocity by 40%+ through modern architecture patterns, AI processing, and DevOps optimization. Deep expertise in privacy-first design, edge-native architecture, and cross-platform strategies including Swift/SwiftUI, Kotlin, Java Multiplatform modernization. Demonstrated success leading distributed, global engineering organizations.

CORE COMPETENCIES

Platforms: Mobile, iOS, Swift/SwiftUI, Android, Java, Kotlin, Web, CSS, HTML, React Native, Pyhton

AI ML Integration: AI-assisted development (GitHub Copilot, Claude), LLM orchestration, Anthropic Agentic AI, AI Agents, MCP servers, Model, prompt engineering, on-device AI processing, Generative AI, privacy-preserving models, context-prompt engineering, workflows

Architecture & Design: Edge-native architecture, MVVM/MVC/VIPER patterns, MDM, reactive programming (RxSwift/RxJava), dependency injection, microservices, RESTful/SOAP APIs

Leadership & Management: Team scaling (6-50+ engineers), cross-functional collaboration, Agile/Scrum, Kanban, product requirement gathering, capacity planning, mentoring

DevOps & CI/CD: GitHub Actions, Jenkins, Bitbucket, Git, automated testing (Appium, XCTest, Espresso)

Security & Compliance: OAuth 2.0, HIPAA, GDPR compliance, secure coding practices, data encryption, biometric authentication

PROFESSIONAL EXPERIENCE

Vice President, Sr. Manager of Software Engineering

JP Morgan Chase Bank | Plano, TX | Apr 2020 – Jul 2026

Chase Mobile & Online Banking— Leading financial services app serving millions of customers

Key Achievements & Leadership:

- Architected and led iOS, Android & Java (Backend API) team of 15+ engineers; reduced deployment time by 40% through modernizing architecture to SwiftUI/Kotlin and implementing privacy-first design patterns
- Managed comprehensive compliance framework aligned with JPMorgan Chase risk, financial, and audit policies; prepared for and supported regulatory exams with detailed control documentation. Manage solution delivery & application performance in production (app health, resiliency, performance, security, enterprise data management standards, audit exams and reviews), ensuring all relevant risk, financial, and compliance policies are met

- Integrated AI capabilities using GitHub Copilot, Claude, and AI Agents for Debit card, Credit card, Investment dashboards with personalized financial recommendations; improved development velocity and reduced backend API calls by 50%
- Implemented Generic dashboard model and tile-based architecture enabling reusable modernized components across multiple dashboards in the mobile app, frameworks & SDK
- Championed Kotlin Multiplatform strategy for Android team, enabling 35% code reuse between native UI layer and shared business logic
- Established automated testing infrastructure using GitHub Actions and Appium; achieved 85% code coverage and 50% faster CI/CD pipeline reducing build time
- Implemented edge-native architecture for real-time payments processing and balance updates; improved user experience with offline-first data sync
- Responsible for delivering mobile technology solutions support critical business capabilities across the firm.
- Strong technical leadership with people management, delivery execution, and stack holder engagement. Lead and develop a team of software engineers through coaching, mentoring, performance management and career development with 10+ junior and mid-level engineers; 100% promotion rate within team; established code review and technical mentorship programs

Associate Architect, Mobile Engineering

Virtusa Corporation | Columbus, Ohio | Feb 2017 – Mar 2020

Client: JP Morgan Chase Bank (Finn App & Chase Mobile Banking)

Key Achievements:

- Led Mobile full stack complex architecture design for Finn mobile App; managed team of 10+ engineers across distributed development environment
- Designed modular architecture using dependency injection and design patterns (Factory, Singleton, Delegate); improved code maintainability by 45%
- Implemented reactive programming patterns using RxSwift; reduced network request latency by 30% through optimized API data handling
- Established OAuth 2.0 secure login framework shared between mobile apps and backend services; ensured HIPAA compliance across iOS and Android
- Strong hands-on Java, JavaScript, Rest apis, MQ, Kafka, Jenkins & cloud platforms, Kubernetes, Docker
- Worked on Digital Payment wallet e.g. Apple, Samsung, Paypal etc.
- Coordinated unit testing, automation testing (Appium), and QA processes; automated App Store release pipeline reducing manual deployment time by 60%

Earlier Experience Summary

Senior Programmer Analyst, Kforce Inc. | San Diego, CA (Sep 2016 – Feb 2017): Designed and implemented iOS identity module serving 2M+ users for Intuit Inc.; architected secure OAuth 2.0 flow and implemented secure keychain storage for financial credentials.

Principal Software Engineer, ConnectWise Inc. | Tampa, FL (Oct 2014 – Aug 2016): Architected ConnectWise Mobile app (500K+ downloads); designed RESTful API integration optimizing response time by 50% through caching strategy; established CI/CD infrastructure with Jenkins.

Programmer Analyst, Insyst Inc. | (Feb 2014 – Oct 2014): Developed iOS retail app for Panera Bread (500K+ users); implemented MVC framework and secure payment integration.

Tech Lead, A2O Software (DealWall) | (Mar 2013 – Feb 2014): Led iOS development for SaaS deal collaboration platform; managed development team and technical roadmap.

Tech Lead, WellDoc Inc. | (Sep 2009 – Mar 2013): Developed iOS/Android digital health care app (Diabetes Manager BlueStar IOT device, bio sensor) with embedded device integration; architected HIPAA-compliant data handling for healthcare applications.

Project Engineer, Wipro Technologies | (Apr 2005 – Nov 2008): Developed multimedia service for Qualcomm (QTV) on ARM/QDSP mobile chipsets; implemented H.264/MPEG4 video codec support.

Software Engineer, Grey Matter India | (Mar 2004 – Apr 2005): Mobile application development and embedded systems programming.

TECHNICAL EXPERTISE

Mobile Frameworks & Languages: Swift, SwiftUI, Objective-C, Kotlin, Java, JavaScript, CSS, C++, Python, Appium

AI/ML & Integration Technologies: GitHub Copilot, Claude, ChatGPT, Agentic AI, AI Agents, MCP servers, prompt engineering, on-device AI models, privacy-preserving analytics, LLM orchestratio

Cross-Platform: Kotlin Multiplatform Mobile (KMM), React Native, Flutter (working knowledge), Web

Architecture & Patterns: MVVM, MVC, VIPER, reactive programming, dependency injection, microservices, edge-native architecture

iOS Development: Xcode, UIKit, SwiftUI, Core Data, Core Animation, Grand Central Dispatch (GCD), Instruments, TestFlight

Android Development: Android Studio, SDK, Java/Kotlin (Compose, Navigation, ViewModel), SQLite, Gradle, Google playstore

Testing & QA: XCTest, Espresso, Appium, Selenium WebDriver, unit / UI testing, test automation, XCUItest, UIAUTOMATOR

DevOps & CI/CD: GitHub Actions, GitHub Copilot, Jenkins, Bitbucket, TeamCity, Bamboo, automated deployment

Backend & APIs: RESTful APIs, SOAP, AWS, Azure, WebServices, JSON, XML, OAuth 2.0, API design, microservices

Monitoring & Analytics: Crashlytics, Fabric, Firebase Analytics, Split.io

Version Control: Git, GitHub, Bitbucket, SVN, Perforce

EDUCATION

B.E. (Electronics) — North Maharashtra University, SSVPS College of Engineering, Dhule, India (1998-2002)

Diploma in Embedded Systems & Design (CDAC) — AICTE, Chennai, India (2003)