

Monarch Bhardwaj

Staff Mobile Engineer | Lead iOS Developer | Mobile Architect

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PROFESSIONAL SUMMARY

Staff Mobile Engineer with **10+ years of experience** architecting and delivering enterprise-scale mobile applications across **iOS, Flutter, and React Native**. Proven expertise leading end-to-end product delivery, defining scalable mobile architectures, mentoring engineering teams, and collaborating with cross-functional stakeholders to build secure, high-performance applications.

Specialised in iOS architecture, enterprise mobility, REST APIs, authentication, Microsoft Active Directory integration, BLE, geolocation, and real-time analytics. Experienced in modern development practices including **MVVM, Clean Architecture, SOLID principles, dependency injection, CI/CD, Agile, code reviews, and production support**.

Delivered mission-critical mobile solutions across Banking, Enterprise, Healthcare, Automotive, and Energy domains, improving application performance, scalability, maintainability, and developer productivity.

CORE COMPETENCIES

Mobile Technologies

Swift · UIKit · Objective-C · Flutter · Dart · React Native · JavaScript

Architecture & State Management

Clean Architecture · MVVM · MVC · SOLID Principles · Dependency Injection · Design Patterns

Networking

REST APIs · URLSession · Alamofire · Dio · JSON · GraphQL

Data Visualisation & Dashboards

Syncfusion Charts · SQL Lite · Core Data · Real-time Dashboards · Analytics

Security

OAuth 2.0 · JWT · Microsoft Active Directory · Keychain · Biometrics · MPIN · Secure Storage

Maps, Location & Device Integration

Google Maps · Geofencing · GPS · BLE · QR Code · Camera · Push Notifications · Deep Linking

Tools & Platforms

Xcode · Android Studio · Xcode Instruments · VS Code · Git · Postman · Firebase

Development Practices

Agile · Scrum · Code Reviews · Performance Optimisation · Root Cause Analysis (RCA)

DevOps

CI/CD · GitHub Actions · Azure DevOps · TestFlight · App Store Connect

Testing

XCTest · Unit Testing · Integration Testing · Debugging · Performance Profiling

AI & Automation (Exposure)

ChatGPT APIs · OpenAI · Prompt Engineering · AI-assisted Development · Github Copilot

PROFESSIONAL EXPERIENCE

Senior Mobile Application Developer

Wipro Technologies | Aug 2015 – 17 Oct 2025

Key Contributions

- Led development of enterprise mobile applications across **iOS, Flutter, and React Native**, supporting thousands of enterprise users.
 - Designed scalable mobile architectures using **MVVM, Clean Architecture, and SOLID principles**, reducing maintenance effort and improving code quality.
 - Delivered secure authentication using **Microsoft Active Directory, Biometrics, MPIN, and Role-Based Access Control (RBAC)**.
 - Built reusable networking and architecture components that accelerated feature delivery across multiple applications.
 - Collaborated with business stakeholders to convert functional requirements into scalable technical solutions.
 - Led technical discussions, architecture reviews, sprint planning, estimation, and production releases.
 - Mentored junior engineers through code reviews, pair programming, and technical guidance.
 - Resolved critical production incidents through structured Root Cause Analysis (RCA), improving application stability and reliability.
 - Optimised application performance, reducing dashboard loading times by **35%** and improving responsiveness on low-end devices.
 - Integrated location services, BLE, QR scanning, real-time analytics, and enterprise communication workflows.
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KEY PROJECTS

Enterprise Network Operations Center (NOC)

Technology Stack

Flutter · Dart · Clean Architecture · MVVM · REST APIs · Dio · Syncfusion · Git · Azure DevOps

Achievements

- Designed and developed a Flutter-based enterprise Network Operations Center application.
- Delivered real-time monitoring dashboards processing **10,000+ data points daily**.
- Built scalable architecture with clear separation of presentation, domain, and data layers.
- Implemented automatic refresh intervals ranging from **5 seconds to 2 minutes**.
- Reduced dashboard rendering time by approximately **35%** through rendering and data processing optimisation.
- Enabled operational visibility for multiple Reliance business units including Motor Spirit, High Speed Diesel, and Lubricants.

WIPRO MySpace

Technology Stack

Flutter · MVVM · Microsoft AD · QR Code · REST APIs · SVG · Google Maps · Git · Azure DevOps

Achievements

- Developed enterprise workplace management application supporting secure employee access.
- Implemented Microsoft Active Directory authentication with MPIN security.
- Built interactive floor maps using SVG rendering.
- Integrated QR-based campus entry and enterprise communication workflows.

Back to Work

Technology Stack

Swift • MVVM • Microsoft AD • BLE • REST APIs • Google Maps

Achievements

- Developed COVID workplace management platform.
- Implemented self-assessment, slot booking, BLE proximity detection, QR entry, and office attendance workflows.

Smart Pill Tracker

Technology Stack

Swift • MVC • BLE • REST APIs • Alexa

Achievements

- Developed healthcare IoT solution integrating smart pill bottles via Bluetooth Low Energy.
- Enabled medication adherence monitoring and Alexa-based task confirmation.

Omnikonnnect

Technology Stack

Swift • MVC • Secure Authentication • REST APIs • Video Calling • Screen Sharing

Achievements

- Built secure banking application supporting customer relationship management.
- Delivered secure messaging, document sharing, annotations, and video collaboration features.

TECHNICAL LEADERSHIP

Mobile Architecture Design • Technical Mentoring • Code Reviews • Sprint Planning • Estimation • Requirement Analysis • Cross-functional Collaboration • Client Communication • Production Support • Root Cause Analysis • Performance Optimisation • Release Management

EDUCATION

- **B.C.A** – CCS University
 - **M.Tech** – BITS Pilani
 - **MBA (Business Management)** – NMIMS University
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CERTIFICATIONS

- **iOS & Swift – The Complete iOS App Development** – Udemy
- **Dart & Flutter – Zero to Mastery (2025) + Clean Architecture** – Udemy
- **The Ultimate Guide to ChatGPT & Mid-journey** – Udemy
- **Mastering OpenAI Python APIs: Unleash ChatGPT & GPT-4** – Udemy