

# BHAVESH BAROT

Mobile Architect | Technical Lead | Senior iOS & React Native Developer

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## Summary

Mobile Architect and Technical Lead with 10+ years of hands-on experience designing, developing, and shipping 30+ production-grade applications across iOS, React Native, and Flutter — spanning Healthcare, FinTech, Logistics, E-commerce, OTT/Streaming, Education, Mobility, and Security sectors. Expert in Swift, UIKit, and AVFoundation with direct contributions to large-scale consumer platforms including (DRM playback, AirPlay/Chromecast, offline media). Proficient in React Native, Redux, TypeScript, and Firebase, with 4+ years of cross-platform delivery. Skilled at end-to-end mobile architecture — from system design, MVVM/Clean Architecture patterns, and offline-first strategies through to CI/CD automation and App Store deployment. Leverages AI-assisted development tools (Cursor AI, GitHub Copilot, Kiro AI) to accelerate team delivery by 35% while upholding rigorous code review standards. Experienced in leading and mentoring cross-functional agile teams of 6-8, managing 10+ international client relationships, and consistently aligning technical decisions with business goals.

## Technical Skills

### Programming Languages

Swift, Objective-C, JavaScript (ES6+), TypeScript, Dart

### React Native & Cross-Platform

React Native (4+ yrs), Redux, Redux Toolkit, Context API, React Query, Flutter, Dart

### Backend & Integrations

Firebase (Auth, Firestore, FCM, Storage), RESTful APIs, WebSockets, GraphQL, WhatsApp Business API

### DevOps & CI/CD

Fastlane, GitHub Actions, Git, GitHub, GitLab, Bitbucket, TestFlight, App Store Connect, Play Console

### Leadership & Process

Agile/Scrum, Sprint Planning, Code Reviews, Mentorship, Roadmap Planning, Stakeholder Management, Client Communication

### iOS Frameworks & APIs

UIKit, SwiftUI, AVFoundation, AVKit, CallKit, PushKit, Core Data, StoreKit, Cocoa Touch

### State & Data Management

Redux, RxSwift, Combine, Core Data, Firebase Firestore, SQLite

### Security & Identity

Biometrics (FaceID/TouchID), Cryptography, DLT (Distributed Ledger Technology), Secure Enclave

### Testing

XCTest, Unit Testing, UI Testing, Jest, Detox (E2E), React Native Testing Library

### Media & Streaming

AVFoundation, AVKit, HLS, AirPlay, Chromecast, DRM, Offline Downloads, OTT Playback

### AI Development Tools

Cursor AI, GitHub Copilot, Kiro AI, Trae AI, Amazon CodeWhisperer, Lovable AI

### Architecture Patterns

MVVM, MVC, Clean Architecture, Modular Architecture, Offline-First, Microservices, Dependency Injection

### Tools & IDEs

Xcode, Android Studio, VS Code, Instruments (Memory Profiling), Auto Layout, CocoaPods, Swift Package Manager

## Professional Experience

### Saeculum Solutions Pvt Ltd

Team Lead & Mobile Architect

- Spearheaded architecture and end-to-end delivery of 10+ production iOS and React Native applications — defining MVVM/Clean Architecture patterns, modular data layers, API contracts, and offline-sync strategies across Healthcare, FinTech, Logistics, and Security domains.

February 2022 – Present  
Ahmedabad, India

- Championed AI-assisted development by integrating Cursor AI, GitHub Copilot, and Kiro AI into the team's engineering workflow, reducing delivery timelines by 35% while enforcing quality through structured code review gates and pull request standards.
- Architected a DLT-based decentralised identity platform featuring password-free biometric authentication (FaceID/TouchID), cryptographic key management, and portable encrypted data storage — a first-of-kind solution for the client.
- Designed offline-first React Native architecture with Firebase real-time sync, conflict resolution, and configurable audit templates for an enterprise Inspection & Audit Management platform.
- Integrated WhatsApp Business API for enterprise bulk messaging automation, enabling large-scale targeted customer communication campaigns.
- Built and maintained automated CI/CD pipelines using Fastlane and GitHub Actions across 10+ apps, eliminating manual deployment overhead for App Store and Google Play releases.
- Guided and mentored a cross-functional team of 6-8 iOS and React Native developers through daily standups, one-on-one coaching, pair programming, and technical workshops — achieving 100% on-time sprint delivery.
- Oversaw 10+ international client accounts with a 95% satisfaction rate by translating business requirements into scalable technical solutions and delivering projects consistently ahead of schedule.
- Strengthened application reliability by cutting crash rates 25% through memory profiling using Instruments, background process optimisation, and rigorous pre-release QA standards.

### **ADsquare Technology Pvt Ltd**

October 2020 – February 2022

Senior iOS Developer

Ahmedabad, India

- Engineered 3 production iOS and Flutter applications, incorporating APNs/FCM-based push notification systems that increased user engagement by 25% and rebuilt UIKit workflows to improve usability and responsiveness.
- Contributed to architectural decisions for cross-platform projects, introducing push infrastructure and performance optimisation strategies that reduced post-release defects by 20% across 50+ pull request reviews.
- Maintained a 90% client satisfaction rate across 3 major accounts by providing weekly progress updates and resolving stakeholder feedback within 24 hours.

### **Pacific Global Solutions**

November 2018 – October 2020

Senior iOS Developer

Ahmedabad, India

- Designed and launched 2 flagship iOS applications with performance-first UIKit interfaces, achieving a 15% improvement in post-launch user retention through refined UX, optimised rendering, and efficient data handling.
- Cut app load times by 20% through targeted memory management improvements, intelligent API response caching, and restructured background task scheduling.
- Supervised a 3-member iOS development team with 100% deadline adherence across 3 consecutive project cycles through structured workflow planning and daily standups.

### **Ecospob Technologies Pvt Ltd**

January 2018 – October 2018

Senior iOS Developer

Ahmedabad, India

- Executed 6+ complete iOS development cycles with a 98% on-time delivery rate through disciplined milestone tracking, proactive risk identification, and clear stakeholder alignment.
- Produced detailed technical specifications and architecture documentation for 3 client projects, reducing scope creep by 15% and accelerating stakeholder sign-off.

### **Harmis Technology**

July 2015 – January 2018

iOS Developer

Ahmedabad, India

- Developed 5 iOS applications from the ground up using Objective-C and Swift, introducing structured code review practices that elevated code quality by 25% and reduced post-launch defects by 18%.
- Authored comprehensive technical documentation for 6 applications, reducing new developer onboarding time by 30% and ensuring long-term architectural maintainability.

## **Projects**

### **OTT & Audio/Video Streaming**

- Technologies: Swift, UIKit, AVFoundation, AVKit, AirPlay, Chromecast, DRM, HLS, StoreKit

- Contributed to iOS development of two large-scale Indian OTT consumer platforms. Implemented AVFoundation-based audio/video playback engines, DRM-protected offline download workflows, AirPlay and Chromecast casting, user playlist and library management, push notification engagement campaigns, and in-app subscription and payment flows.

### **Healthcare Management Platform**

- Architected a dual-sided mobile platform for doctors and patients featuring end-to-end encrypted messaging, real-time medical record access, appointment scheduling with FCM push notifications, and iPad-optimised layouts. Designed with HIPAA-aligned security practices and Firebase-powered real-time data sync.

### **Biometric Identity & Security Solution (DLT)**

- Designed and built a decentralised identity management platform with password-free biometric authentication, cryptographic key management, facial and voice recognition, and portable encrypted data storage using distributed ledger technology.

### **Inspection & Audit Management Application**

- Built an offline-first cross-platform inspection tool with real-time Firebase sync, automatic conflict resolution, configurable audit templates, photo/target capture, and compliance analytics dashboards.

### **Logistics & Real-Time Package Tracking Platform**

- Developed a high-volume real-time package tracking and delivery scheduling platform for iOS and Android. Integrated GPS tracking, live delivery status updates via WebSockets, FCM push notifications, and a scalable Firebase backend.

### **Community Delivery & GPS Taxi Applications**

- Built a suite of iOS and iPad applications including an eco-community delivery platform that converts everyday commutes into sustainable logistics operations, and a GPS-based on-demand taxi driver app with smart route optimisation, real-time driver matching, and trip management.

### **Radio Streaming & Multimedia Application**

- Delivered an iOS and iPad multimedia streaming app featuring curated playlists, live radio shows, local news feeds, and community engagement features. Built a separate multimedia streaming application for movies, music, and podcasts using AVFoundation.

### **School Management & Communication Platform**

- Developed an iOS and iPad application connecting schools, teachers, students, and parents with real-time attendance tracking, homework management, grade reporting, leave request workflows, and digital report cards.

### **Accounts Payable Automation**

- Built an enterprise iOS application that automates accounts payable workflows — invoice submission and processing, automated fraud detection with audit trails, and secure digital document storage.

### **Vehicle Expense Management Application**

- Developed a React Native application for tracking multi-vehicle expenses, monitoring real-time market values, connecting with insurance providers, and accessing refinance prequalification tools.

### **AI-Powered Mobile Applications (5+)**

- Designed and delivered 5+ AI-assisted iOS and React Native applications by embedding AI development tools throughout the full engineering lifecycle.

### **WhatsApp Business Bulk Messaging Automation**

- Integrated WhatsApp Business API to build an enterprise-scale bulk messaging automation platform.

## **Education**

**Master of Computer Applications (MCA)**  
Government Engineering College, Ajmer

2012 – 2015 | Rajasthan, India