

MAYUR DODAKE

Senior iOS Engineer · AI Integration · IoT Architecture

Pune, India | mayurdodake25@gmail.com | +91-9156515965 | linkedin.com/in/mayurdodake | Portfolio: mayurdodake.github.io

PROFESSIONAL SUMMARY

Senior iOS Engineer with 8+ years architecting and leading enterprise-grade mobile platforms for IoT, B2B, and field operations — serving 100K–1M+ users. **Specialized in BLE/NFC hardware-communication architecture** — architected production device-provisioning and real-time protocol layers across three enterprise IoT platforms currently in the field, cutting field setup time by up to 35%. Proven technical lead who has grown iOS teams, driven 30–40% improvements in stability and release velocity, and owned full product lifecycles end-to-end. Extends that ownership into AI-driven systems — independently scoping and shipping ML-backed prototypes end-to-end, alongside on-device ML and LLM-integrated iOS experiences. Targeting Lead iOS / Staff Engineer roles at product companies where technical depth, architecture ownership, and AI integration converge.

CORE SKILLS

iOS & Apple Architecture	Swift, SwiftUI, UIKit, Combine, RxSwift, Objective-C, CoreData, CoreBluetooth, CoreNFC
Cloud & APIs	MVVM, MVVM-C, Clean Architecture, Modularization, TDD, Reactive Programming, System Design
AI & ML	AWS IoT, DynamoDB, Firebase, REST, On-Device ML
DevOps	LLM SDK integration, Prompt Engineering, On-device Intelligence, AI-powered UX, RAG basics, Generative AI
Leadership	Fastlane, GitHub Actions, AppCenter, Firebase Distribution, XCTest, Crashlytics
	Technical Ownership, Hiring & Mentoring, Architecture Reviews, Agile/Scrum, Code Standards

PROFESSIONAL EXPERIENCE

Senior Software Engineer – iOS | Softdel Systems · Pune, India

Sep 2022 – Present

- **Technical owner** of 3 enterprise IoT iOS applications supporting 10,000+ live installations across the US, with full ownership from architecture through production stability.
- Architected BLE & NFC communication layer enabling real-time device provisioning - **reduced field setup time by 35%**, directly impacting operational efficiency for 10K+ installations.
- Led full migration to modular SwiftUI + Combine + MVVM - achieved **90%+ automated test coverage**, significantly reducing regressions across releases.
- Modernized legacy Objective-C codebase to Swift - **reduced crash rate by 25%** and improved app startup performance by rebuilding core data flows.
- Built end-to-end CI/CD pipelines using Fastlane, Firebase Distribution, and GitHub Actions - **cut release cycle time by 40%**, enabling faster iteration for enterprise clients.
- Tech lead for a 3-engineer iOS team: drove architecture reviews, enforced PR quality standards, led hiring, and managed delivery planning across sprint cycles.
- **Rapid AI Prototyping Initiative** — independently scoped, architected, and delivered a full-stack predictive-analytics prototype (ML inference backend, REST API layer, native iOS dashboard with real-time alerting) within a 48-hour hackathon sprint; presented architecture and business case directly to senior leadership.

Senior iOS Developer | SmartServ India · Pune, India

Jun 2019 – Aug 2022

- Core contributor and feature owner of a B2B Field Service iOS platform used daily by **100,000+ field technicians** across the US.
- Designed and shipped Picture-Based Price Book and Offline PDF generation features - contributed to ~15% increase in upsell and service revenue.
- Led Objective-C → Swift + MVVM-C refactor - **reduced crash rate by ~30%** and dramatically improved code maintainability and developer velocity.
- Implemented CI/CD pipelines enabling daily production releases - removed bottlenecks and improved deployment reliability at scale.
- Scaled the iOS team from 2 to 6 engineers - owned interviewing, onboarding, mentoring, and team culture development.

Mobile Developer | Exegesis Infotech · Navi Mumbai

Feb 2018 – Apr 2019

- Delivered insurance and fintech mobile applications - shipped MIBL project 20% ahead of schedule through proactive delivery management.
- Integrated and optimized REST APIs, improving app performance and responsiveness across the product suite.

Junior iOS Developer | Contera Engineering · Pune, India

Feb 2017 – Aug 2017

- Built ZEMOTE Smart Home iOS app using AWS IoT + DynamoDB - enabled real-time remote device control with socket-based offline fallback, increasing user engagement by 15%.

AI & INNOVATION

- **Certified: Generative AI for Mobile App Developers — Coursera, Oct 2025**
- **On-device ML proof-of-concept** — built and completed an iOS image processing and detection pipeline using Core ML, running inference entirely on-device to keep data local and avoid server transmission.
- Actively building further AI-integrated iOS experiences: LLM SDK integration, on-device ML pipelines, and intelligent UX patterns for IoT environments.

KEY PROJECTS

- **LightCloud IoT Platform** — Enterprise smart lighting control: BLE/NFC provisioning, AWS IoT integration, deployed across 10,000+ US installations. Full architecture ownership.
- **FieldOps Pro** (formerly SmartServ) — B2B field service platform for 100K+ technicians: offline workflows, real-time sync, picture-based price book, and daily CI/CD deployments.

EDUCATION

Bachelor of Engineering – Computer Engineering · Savitribai Phule Pune University, 2016