

KANAGASABAPATHY RAJKUMAR

Lead AI iOS Developer · Meetup Co-organizer · Conference Speaker

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Portfolio | LinkedIn | GitHub | Medium | Sessionize | YouTube

PROFESSIONAL SUMMARY

Lead iOS Developer with 12+ years in IT, including 10+ years architecting scalable native iOS applications in Swift and Objective-C. Currently leading iOS for Banco Sabadell's banking app (millions of users); previously built real-time IoT/BLE healthcare SDKs at Tech Mahindra. Deep expertise across UIKit, SwiftUI, Swift 6 concurrency, Clean Architecture, SDK design, and AI-assisted iOS development.

CORE SKILLS

Languages & UI	Swift, Objective-C, SwiftUI, UIKit, Auto Layout, Core Animation, Accessibility (VoiceOver, Dynamic Type)
Architecture	MVVM, Clean MVVM Architecture, VIPER, SOLID Principles, Dependency Injection, Modularization
Concurrency	Swift 6 Strict Concurrency (async/await, actors, Sendable), Async Algorithms, Combine, GCD, Operations
Frameworks	CoreBluetooth, Core Data, SwiftData, MapKit, Core Location, Google Maps SDK, AVFoundation, APNs, StoreKit 2, WidgetKit, App Intents, Foundation Models, Universal Links
Security & Network	Keychain, FaceID/TouchID, Certificate Pinning, OAuth 2.0, JWT, URLSession, Alamofire, REST APIs
Testing & Delivery	XCTest, XCUITest, Swift Testing, Snapshot Testing, Instruments, Swift Package Manager, Carthage, Fastlane, Jenkins, GitHub Actions, TestFlight, Build Time Optimization, Static / Dynamic Linking, Git
Monitoring	Firebase (Analytics, Firestore, Remote Config), Instabug, Tealium iOS, Crash Reporting, Localization (l10n)
AI-Assisted Dev	Cursor, Claude Code, GitHub Copilot, Prompt Engineering
Process	Agile, Scrum, Kanban, JIRA, Confluence

PROFESSIONAL EXPERIENCE

Banco Sabadell [App Store](#) ↗

Bengaluru, India · Mar 2024 – Present

Lead iOS Developer

- Lead iOS engineer on the enterprise banking app (millions of users); own VIPER navigation and authentication flows.
- Architected a reusable MVVM/SOLID UIKit & SwiftUI component library, adopted as the standard for new screens and cutting the time to develop one by ~40%.
- Reduced build times by auditing debug compiler flags (-Onone, whole-module vs. incremental), rebalancing static vs. dynamic linking, and tightening module boundaries.
- Integrated banking APIs, local data management, and Universal Link deep-link flows; optimized startup time, memory, and network-layer stability.
- Mentor 2 junior engineers and lead code reviews across the iOS practice.

Stack: Swift, Objective-C, UIKit, SwiftUI, VIPER, MVVM, Storyboards, Universal Links, Keychain, FaceID/TouchID, Certificate Pinning, OAuth 2.0, Core Data, XCTest, Carthage, XCFramework, Jenkins, Firebase, Tealium

Tech Mahindra

Bengaluru, India · Oct 2018 – Jan 2024

Senior iOS Developer

- Architected real-time streaming pipelines for Instrument Set Tracker, a healthcare IoT/BLE medical device platform — sustaining 100 concurrent device streams at low latency through careful concurrency, buffering, and memory optimization.
- Designed reactive data-flow architectures with SwiftUI and Combine; configured Background Modes for persistent device communication.

- Built reusable iOS SDK modules with versioned public APIs distributed via Swift Package Manager and XCFramework — adopted by 2 internal product teams with defined API contracts.
- Delivered UI, push notifications, and the forced app-update flow for [Mahindra Mitra ↗](#), an enterprise field app hardened with certificate pinning and jailbreak detection.
- Prototyped a COVID-19 contact-tracing app and portal POC — benchmarked BLE vs. UWB indoor positioning for safe-distance monitoring, with proximity alerting and JSON telemetry to backend services.

Stack: Swift, Objective-C, SwiftUI, UIKit, Combine, CoreBluetooth, UWB, Core Location, AVFoundation, CoreData, GCD, Operations, Background Modes, Alamofire, CryptoSwift, Certificate Pinning, Carthage, XCTest

Farshore Partners

Chennai, India · Aug 2014 – Aug 2018

Software Engineer

- Built the Q Restaurant Suite: [Q Host ↗](#) for waitlist management and [Q Waitlist Guest ↗](#) for map-based discovery — on iPhone and iPad in Objective-C, then led the move to Swift.

Stack: Swift, Objective-C, UIKit, Core Data, MapKit, Core Location, Core Animation, UIBezierPath, CAShapeLayer, Auto Layout, TDD

APPS

Banco Sabadell ↗	Enterprise banking app serving millions of users	Banco Sabadell
Instrument Set Tracker	Real-time BLE medical-device tracking platform	Tech Mahindra
Mahindra Mitra ↗	Enterprise field app with certificate pinning and push alerts	Tech Mahindra
COVID-19 Contact Tracing	BLE/UWB safe-distance monitoring app and portal (POC)	Tech Mahindra
Q Host ↗ · Q Waitlist Guest ↗	Restaurant waitlist management and map-based discovery	Farshore Partners

PERSONAL PROJECTS & OPEN SOURCE

Life in the UK Test 2026 — Pro [App Store ↗](#) Solo — Published

- Shipped a SwiftUI citizenship-test prep app — 20 practice tests, spaced repetition, flashcards, 15-chapter study guide — on MVVM (@Observable), SwiftData offline-first persistence, and a Firebase pipeline.
- Implemented StoreKit 2 in-app purchase, WidgetKit widgets, and App Intents/Siri shortcuts; automated testing and TestFlight releases with Fastlane.

Stack: Swift, SwiftUI, SwiftData, MVVM, @Observable, Firebase (Firestore, Remote Config, Analytics), StoreKit 2, WidgetKit, App Intents, Fastlane, XCTest, TestFlight

NetworkKit [GitHub ↗](#)

Open Source

- Open-source SPM network layer with a protocol-based, injectable API supporting Combine, async/await, and closures under strict concurrency; 15+ stars, listed on the Swift Package Index.

Stack: Swift, Swift Package Manager, Combine, Swift Concurrency (async/await, Sendable), Protocol-Oriented Design, Dependency Injection, XCTest

SPEAKING & COMMUNITY

- **Conference Speaker** — do iOS Conference, Netherlands — "[Swift Concurrency 6.2](#)" ↗
- **Meetups** — The Composable Architecture (AiDash) · Swift Concurrency (SwiftBLR)
- **Workshops** — AI-powered iOS workflows (Figma→SwiftUI, Research Paper→iOS App, AI-Powered PRs) at SSN College and IBM Software Labs
- **Co-organizer** — Swift Bengaluru (SwiftBLR) · **Host** — SwiftPublished podcast · **Author** — Medium & Swift Published.

EDUCATION

B.Tech, Electronics and Communication Engineering — *Kalasalingam University*

2008 – 2012