

## SAHIN RAJ

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Portfolio: [sahinraj.com](https://sahinraj.com)

### SUMMARY

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Senior iOS Engineer and Technical Leader with 10+ years of software development experience, including 5+ years designing and architecting large-scale enterprise iPad applications at FedEx. Specialized in Swift, SwiftUI, SwiftData, and modern iOS architecture patterns (MVVM, async/await, Combine), with deep expertise in performance optimization for data-intensive, production-critical systems. Proven ability to independently design scalable mobile architectures, lead complex technical initiatives, mentor engineers, and deliver resilient solutions supporting operational workflows across enterprise environments.

### CORE SKILLS

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Swift, SwiftUI, UIKit, SwiftData, Core Data, Combine, async/await, MVVM, AppIntents, Widgets, Live Activities (ActivityKit), Push Notifications, iPadOS, REST APIs, JSON, secure networking, background processing, memory management, performance tuning, unit testing, CI/CD, Git, Agile/Scrum, Jira, code reviews.

### PROFESSIONAL EXPERIENCE

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**Senior iOS Engineer / Associate Technical Delivery Manager**  
**Mar 2020 – Present**

**FedEx Services (via Cook Systems International; Accolite Digital; Euclid Elementz) - Collierville, TN**

**Temporary international assignment: Hyderabad, India (Mar 2021 - Aug 2021)**

- Architect and design large-scale enterprise iPad applications (Compass and Vector) supporting operational workflows for pilots and flight operations teams in production environments.
- Lead technical design and implementation of complex SwiftUI-based systems handling multi-day scheduling data, high-density UI

rendering, and interactive selection workflows across performance-sensitive views.

- Define and implement application architecture patterns using SwiftUI, MVVM, SwiftData/Core Data, and shared observable app state to ensure scalability, maintainability, and cross-module consistency.
- Make architectural decisions regarding state management patterns, performance strategies, and modular design standards for enterprise mobile applications.
- Exercise independent technical judgment in designing state management strategies, optimizing data flow, and reducing main-thread execution during lifecycle events to improve rendering performance and user responsiveness.
- Drive performance optimization initiatives by refactoring view decomposition, minimizing recalculations in large ForEach/grid layouts, and improving perceived and measurable UI efficiency in data-heavy enterprise screens.
- Design resilient networking layers integrating REST APIs with robust error handling, partial-data tolerance, and authentication edge-case management in secure enterprise VPN environments.
- Lead cross-functional technical coordination with backend, product, and QA teams to translate business requirements into scalable mobile solutions aligned with sprint and production release timelines.
- Mentor and guide iOS engineers through architectural reviews, performance best practices, and code quality standards, contributing to long-term maintainability and technical consistency across the mobile codebase.
- Contribute to advanced user-facing integrations including App Intents, widgets, push notification flows, and production-ready feature rollouts aligned with enterprise compliance and operational standards.

## **Senior Software Engineer**

**Apr 2016 – May 2017**

### **Gracenote (Nielsen) | Mumbai, India**

- Led iOS development initiatives, mentored junior engineers, and improved UI stability and performance.
- Collaborated with cross-functional teams to deliver product enhancements and maintain high-quality releases.

## **Software Engineer**

**Oct 2013 – Mar 2016**

### **Gracenote (Nielsen) | Mumbai, India**

- Developed and maintained iOS and Android applications with strong focus on UX, reliability, and performance.

- Built reusable UI components using UIKit/Auto Layout and collaborated closely with design and backend teams.

## **Software Developer (Android & J2ME)** **Jun 2013 – Aug 2014**

### **Infocare Web Technologies | Mumbai, India**

- Built Android and J2ME applications for legacy devices with focus on performance optimization and compatibility.
- Performed testing, debugging, and iterative improvements based on user and stakeholder feedback.

## **Software Trainee (Android & Struts)**

**Nov 2012 – Apr 2013**

### **HCL Infosystems Ltd | Pune, India**

- Gained practical experience in Android development and Struts-based projects while supporting team deliverables.

#### **EDUCATION**

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- Doctor of Information Technology (In Progress) — University of the Cumberlands (Expected 2028)
- Master of Business Administration (MBA) — Cambridge College (2019)
- Master of Computer Applications (MCA) — Gujarat Technological University (2013)
- Bachelor of Science in Computer Science — South Gujarat University (2009)

#### **CERTIFICATIONS**

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- Software Architecture: From Developer to Architect
- Scrum Master Certification (Prep)
- Leadership Development Program
- Microsoft Office 2007 WOW+ (Certificate of Proficiency)
- Software Testing Workshop (Attendance)