

Tuhin Samui

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[\[GitHub\]](#) | [\[LinkedIn\]](#) | [\[Stack Overflow\]](#)

Senior/ Lead iOS Engineer | Former Engineering Manager | Fintech & Scalable Mobile Architecture

Lead iOS engineer with **9.5+ years building large-scale mobile applications** including fintech platforms serving millions of users. Strong expertise in **modular architecture, SDK development, CI/CD automation and mobile performance optimization**. Proven track record designing scalable mobile platforms, improving reliability and enabling fast release cycles through developer productivity tooling.

Core Skills & Expertise

- **Technology:** Swift, Objective-C, SwiftUI, UIKit, Combine, Concurrency (GCD), Memory Management.
- **Artificial Intelligence (AI):** Claude Code, Cursor, Antigravity, ChatGPT. Multimode AI agents for AI tools.
- **Architecture:** VIPER, MVVM, Modular Design, SDK Development (SPM, CocoaPods).
- **CI/CD & DevOps:** GitHub Actions, Bitrise, Jenkins, Fastlane.
- **System Design:** Scalable Architecture, Performance Optimization, Technical Documentation (TRD/ARD).
- **Fintech & Security:** Encryption, Compliance, Secure Networking, CL integration.
- **Tools & Collaboration:** JIRA, Confluence, Async Remote Work, Slack.
- **Analytics & Monitoring:** Crashlytics, Amplitude, Mixpanel.
- **Cloud & Backend Integration:** Firebase, REST APIs.

Professional Experience

Independent iOS Consultant / Mobile Engineer

Remote | April 2025 – Present

- Provided architecture consulting to early-stage startups building iOS applications.
- Designed modular mobile architectures using **Swift, MVVM/ VIPER and reusable SDK components**.
- Helped teams launch and distribute apps through **TestFlight and AppStore pipelines**.
- Implemented production ready networking, analytics and crash monitoring systems.
- Guided teams on CI/CD automation using Fastlane, Bitrise and GitHub Actions.

Engineering Manager – Mobile

slice, Bengaluru | Dec 2021 – March 2025

- Led modular re-architecture (MVC → VIPER/MVVM), improving scalability and long-term maintainability.
- Optimized CI/CD pipelines (Jenkins → Bitrise → GitHub Actions), reducing build times by 40% and improving release reliability.
- Automated release workflows (JIRA + Slack + Fastlane + GitHub Actions), reducing manual effort by 70% and cutting release time from 250 to 60 minutes.
- Drove architectural alignment through PRD/ARD/TRD reviews across mobile, backend, and QA.
- Established documentation-driven async workflows enabling effective collaboration across distributed teams.
- **App Link** - <https://apps.apple.com/in/app/slice-bank-at-rbi-repo-rate/id1123372237>

Senior Software Engineer – iOS

slice, Bengaluru | June 2019 – Nov 2021

- Designed and implemented modular, production-grade iOS components in a regulated fintech environment serving millions of users.
- Led architecture migration (MVC → VIPER) and built SDK ready modular components via CocoaPods for scalable integration.
- Optimized networking and backend integration, reducing development effort by 20%.
- Improved app stability from 85% to 99% through structured crash analysis and error-handling redesign.

Software Engineer – iOS

Airtel Payments Bank, Gurugram | April 2018 – May 2019

- Designed secure networking engine handling millions of transactions.
- Implemented end-to-end encryption for compliance and transaction security.
- Built B2B SDKs (xcframeworks) enabling scalable banking integrations.
- Worked on the onboarding systems for banking like wallet KYC, VKYC, document verification etc.
- **App Link** - <https://apps.apple.com/in/app/airtel-thanks-recharge-bank/id543184334>

Senior Member of Technical Staff – iOS

slice, Bengaluru | May 2016 – April 2018

- Built the slice iOS application from scratch and managed the full AppStore lifecycle of production release.
- Architected foundational mobile infrastructure and development workflows.
- Led transition of the platform from UIWebView/WKWebView based to a native iOS application.
- Reduced crash reporting by 60%. Integrated Crashlytics for better understanding of crashes.
- Promoted to **Senior Member of Technical Staff** for engineering impact and technical leadership.

Software Engineer – iOS

Code Brew Labs, Chandigarh | Jan 2015 – April 2016

- Built a restaurant management system for iOS from scratch by focusing on scalability and user experience.
- Designed the algorithm for floor, table management system for efficient tracking of customers on the floor.
- **App Link** - <https://apps.apple.com/app/adiava-restaurant-waiting/id1108167919>

Opensource Contribution

iExtend | [GitHub](#) | [CocoaPods](#) | MiT

- iOS extension library.

iStoryboard | [GitHub](#) | [CocoaPods](#) | MiT

- A UIKit based Storyboard integration support for Swift.

Education

- Master of Computer Applications (MCA) - MMU, Mullana, Ambala | Batch of 2015.
- Bachelor of Computer Applications (BCA) - Midnapore College, Vidyasagar University | Batch of 2012.