Utsav Patel

Associate Staff Engineer / Senior iOS Developer

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I am an iOS Developer with over **11 years** of experience designing and delivering high-quality **iOS** and **macOS** applications across **banking**, **AR**, **IoT**, **VoIP** and **e-commerce** sectors. I have strong expertise in **Apple's UI/UX standards**, **Swift**, **Objective-C**, and modern design patterns like **MVVM** and **Protocol-Oriented Programming**. I am proficient in reactive programming using **RxSwift** and **Combine**, along with **unit testing** and **CI/CD** best practices.

I have successfully led and contributed to complex projects, including a recent banking app for a leading Egyptian financial institution. I continuously expand my skills to build scalable, user-friendly, and efficient applications.

SKILLS

Programming Languages: Swift, Objective-C

Frameworks & Technologies: UIKit, SwiftUI, AVFoundation, CoreData, Combine, RxSwift, Foundation, StoreKit

Architectural Patterns: MVVM, MVC, Modular Architecture, Protocol-Oriented Programming, Delegation

APIs & Communication: REST, Firebase, MQTT

Real-Time & Media: Socket.IO (chat), Agora SDK (video calls)

Databases & Persistence: Core Data, UserDefaults, Codable

Testing & Quality: XCTest, TDD, CI/CD, Crashlytics, Code Reviews

Deployment & Provisioning: Automated builds (Xcode), App Store provisioning, Certificate/Profile management, TestFlight distribution

Tools & Platforms: Xcode, App Store Connect, TestFlight, Git, CocoaPods, SPM, Firebase, JIRA

Additional Skills: Push Notifications, In-App Purchases, Universal Links, Deep Linking, Accessibility (a11y), Internationalization (i18n), RTL support.

EXPERIENCE

Nagarro, Dubai - UAE - Associate Staff Engineer

JANUARY 2022 - PRESENT (Hybrid)

Technical Responsibilities:

- Developed banking apps using Swift, RxSwift, SwiftUI, and Combine with MVVM architecture, implementing core features like transfers, credit card management, and customer experience.
- Designed intuitive UI components and animations, while ensuring high code quality through unit testing, thorough testing, and code reviews.

Solution Analysts Pvt Ltd, Ahmedabad - INDIA - *Technical Analysts*

DECEMBER 2019 - JANUARY 2022 (Onsite)

Technical Responsibilities:

- Gained experience in code reviews, automation, and writing clean, maintainable code while developing reusable frameworks, SPM packages, and CocoaPods to enhance modularity and security.
- Led proof-of-concept (POC) development and provided architectural support for cross-platform solutions using Flutter and backend technologies such as Node.js and Angular.

Indo-Sakura Software Japan 株式会社, Tokyo - JAPAN - *Senior Software Engineer*

May 2019 - DECEMBER 2019 (Onsite)

Technical Responsibilities:

- Developed IoT-based iOS applications for Yamaha Corporation, primarily using Objective-C and Swift.
- Specialized in music instrument-related IoT solutions, focusing on seamless device integration and user experience.

Solution Analysts Pvt Ltd, Ahmedabad - INDIA - *Senior Software Engineer*

JULY 2016 - APRIL 2019 (Onsite)

Technical Responsibilities:

- Gained in-depth knowledge of Swift and applied various coding standards to write clean, self-describing code.
- Worked with diverse technologies including media playback, WebSockets, IoT, Core Data, social media integration, push notifications, Core Bluetooth, Firebase, AdMob, custom animations, and drawing.

Achievements:

- Team awesome award in December 2017

Moon Technolabs Pvt Ltd, Ahmedabad -INDIA - *Software Engineer*

AUGUST 2014 - June 2016 (Onsite)

Technical Responsibilities:

- Developed iOS and macOS applications using Objective-C and Swift, including utility, financial, and Core Graphics-based apps.
- Focused on app performance optimization using Xcode Instruments and created test cases for key functionalities.

Achievements:

- Best Employee award of Year in 2016

EDUCATION

Charotar University of Science and Technology, Anand, Gujarat, India - *Bachelor of Technology - Computer Engineering -* **2014**

PROJECTS

Banking Application - *Egyptian Banking App*

contributed to the development of a full-featured banking application, working on key modules like in-country transfers, repeat and recurring payments, and credit card management. I also built features for calculating users' net worth and providing a detailed breakdown of their assets and liabilities. These features improved financial visibility and convenience for users, while ensuring secure and seamless functionality.

Swift, RxSwift, SwiftUI, Combine, Unit Testing, MVVN

- Engaged in leading the team, designing UI, optimizing the application, modularizing components, and creating unit tests.
- Learnt about new technologies such as SwiftUI and Combine

Banking Application - *UAE Banking App*

I worked on streamlining the user onboarding process, including registration, data gathering, and personalized setup to ensure a secure and user-friendly first-time experience.

Swift, RxSwift, MVVM and more

- Engaged in UI design, animation, reactive technologies.

AR-based Remote Assistant - *An industrial digital transformation company.*

The project involved developing an augmented reality (AR) video calling app that let users make video calls and draw directly on the live video screen. It was designed as an enterprise solution for remote workers, enabling them to connect with experts via video calls, collaborate effectively, and achieve the desired results efficiently.

Swift, ARCore, Agora, Socket.IO, Kotlin, Node.js, Angular, MySQL

- Designed architecture and prepared workflow of the full app
- Developed AR drawing and involved in Socket implementation and performance improvements or camera rendering

BLE-based Music App - *Yamaha corporation.*

The project focused on developing a BLE-based app that connected a Bluetooth-enabled music case to an iPhone, allowing users to play music both from the case and the mobile app. Users could create, customize, and export music with a variety of effects. I was involved in creating BLE provisioning and worked on music customization features as well as app design and user flow.

Swift, BLE, AV Foundation, Audio code services

- Music customisation and allowed user to create and export music
- UI design and flow, and optimization.

Home Automation App - *Company-owned core product with personalization*

Worked on a smart home hub that allowed users to connect and control multiple smart devices — such as bulbs, fans, doors, and AC units — from a single central system. Implemented features for device pairing, remote on/off control, and custom automation rules (e.g., automatically turning on lights when a door is opened).

Swift, IoT, Wi-Fi, IoT Cloud, MQTT

- Designed and implemented Wi-Fi provisioning, IoT cloud communication, and custom rule creation features for connected devices.
- Debugged, fixed issues, and optimized system performance to enhance reliability and efficiency.

Task Management App - *Task management software company.*

The project involved developing a task management app specifically for Chartered Accountants (CAs). It allowed users to manage tasks, assign them to team members, and track timesheets. Additionally, users could generate various reports based on their requirements. The app also included several other useful features to enhance productivity.

Swift, notification, SQLite, In-App Purchase, Socket.IO

- Designed and developed the app from scratch, leading the entire development process.
- Implemented core features including task creation, timesheets, reporting, report exporting, in-app purchases, calendar integration, and custom notifications.
- Developed offline caching for tasks and other data to ensure seamless app usage without internet connectivity.

Letter Tiles for Learning - *Educational Game for school*

iOS educational game featuring interactive letter tiles for teaching phonograms, suffixes, and word parts, aligned with *All About Reading* and *All About Spelling* curricula.

Swift, Core Data, Core Animation, AVFoundation, UIKit, IPad

- Built interactive drag-and-drop functionality for letters and words, with support for splitting and rearranging word parts.
- Integrated audio playback for word pronunciations and implemented various interactive learning features.

Moon Invoice - *In-house development product.*

Cross-platform invoice management app for iOS and macOS, designed for small businesses and individual professionals. Supports creating and managing invoices, estimates, purchase orders, customers, vendors, and payment receipts, with seamless iCloud sync and multi-company support. Offers 22 professional, customizable PDF templates for polished client communication. The dashboard provides real-time financial insights with line, bar, and pie charts, quarterly breakdowns, and quick filters to streamline accounting workflows.

Objective C, Core Data, CloudKit, PDFKit, Charts (iOS/macOS), UIKit, AppKit

- Built end-to-end invoice lifecycle management, including generation, editing, PDF export, and cloud-backed storage with iCloud sync.
- Designed and implemented an analytics dashboard for tracking revenue, expenses, and customer/vendor activity, complete with interactive charts and filtering.

iFax: - *In-house development product.*

iOS and macOS faxing solution enabling users to send and receive faxes directly on iPhone, iPad, and Mac. Supports a wide range of document formats, including PDF, DOC, XLS, and JPG, with seamless integration from email, web, and cloud storage services like Dropbox, Google Drive.

Objective-C, PDFKit, CloudKit, UIKit, AppKit, iOS SDK, macOS SDK, RESTful APIs, Dropbox/Google Drive

- Implemented fax sending/receiving capabilities with multi-format document support and PDF/document integration.
- Developed import/export functionality from email, web, and cloud storage platforms with secure transfer protocols.

Duplicate Finder: *Find & Remove Duplicate Files*

MacOS application to quickly find and remove duplicate files, freeing disk space and improving system performance. Supports a wide range of file types, including images, music, PDFs, documents, and archives. Compares files using SHA-1 and MD5 for reliable duplicate detection, with an integrated search function to locate specific duplicates.

Cocoa, Objective-C, SHA-1, MD5, AppKit

- Developed fast, accurate duplicate detection and deletion algorithms.
- Implemented secure hash-based file comparison for reliability.
- Designed intuitive UI with search and selection and delete or soft delete functionality.