

# Simran Preet Singh Narang

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## Summary

Senior iOS Developer with 8+ years building native iOS apps in Swift using UIKit and SwiftUI, focused on clean architecture, performance, and accessibility. Experience in shipping high-impact features in large codebases, including server-driven UI components and secure authentication flows. Strong in API integration, reusable UI systems, and delivering reliable, polished apps in agile teams.

## Technologies

- **Languages:** Swift, Python, Javascript, Typescript, C#.
- **Frameworks/Libraries:** UIKit, SwiftUI, Combine, Swift Concurrency (Async/Await), XCTest, UICompositionalCollectionView, Core Data, SwiftData, Firebase, CloudKit, APNS/Push Notification, Supabase, FastAPI, Node, ExpressJS, Prisma.
- **Architectures:** MVC, MVVM, MVI, MVP, Clean Architecture.
- **Databases:** SQLite, PostgreSQL, MongoDB.
- **Tools:** XCode, TestFlight, Instruments, Jira, Github, A/B Testing.
- **AI Tools:** Claude Code, Codex and Gemini CLI
- **Others:** Accessibility (Voice Over, Dynamic Type), SPM, Cocoapods, RESTful API.

## Professional Experience

### *lululemon. iOS Developer Contract*

*(August 2021 to January 2026)*

- Developed and delivered the latest Matching Sets Builder experience, developing several custom UI components.
- Used Claude Code to analyse code for refactoring and implementation of standard coding practices.
- Led the development of holiday-themed app features and promotions.
- Developed a custom product gallery to support both images and videos for the new footwear product line.
- Integrated the Mix and Match experience, allowing users to view different products on different body types.
- Created integration points to connect with the Virtual Store, enhancing the user experience.
- Enhanced the badge system on the product list page to support a variety of badge types and improved its dynamism, increasing sales by **25%**.
- Built the landing views for the new footwear launch, increasing guest engagement in the app by more than **42%**.
- Improved the performance of the product listing screen by improving the scroll hitches and reducing them from **50ms to 9ms**.
- Simplified and restructured the UI color components, streamlining initialization and usage.

### *HSBC. Senior iOS Developer Contract*

*(January 2021 to August 2021)*

- Led the successful development and launch of the "Card Management" feature tailored for Premier cardholders.
- Enhanced the Profile section with updated UI designs, providing a more consistent look and feel across the app.

- Upgraded VoiceOver accessibility features throughout the app to improve usability for users with visual impairments.
- Introduced a new unified Authentication mechanism, consolidating multiple legacy systems into a single streamlined solution.

### **AltSource Inc. Software Developer (Mobile and Backend Developer)**

(October 2017 to December 2020)

- Contributed to the development of iOS applications for various clients, including a major cellular company, a home monitoring app, a rail line construction firm, and multiple insurance companies.
- Re-architected and refactored a high-traffic application used by over 100,000 customers, adopting Swift and MVVM patterns to improve future maintenance and scalability.
- Implemented a custom throttling system using Redis caching in ASP.NET to limit REST API requests, effectively shielding the API from potential DDOS attacks.
- Created an internal iOS and Android app for monitoring system downtimes, allowing the team to receive real-time alerts whenever production services are disrupted.

### **Mitchell International. Software Engineer - 1 (.NET Web API, AngularJS)**

(November 2015 to September 2017)

- Contributed to the back-end development of a SPA designed for a new line of damage claim insurance products, ensuring robust functionality.
- Adopted Test-Driven Development (TDD) practices for new code, improving code quality and reducing the risk of bugs.
- Developed an automation tool in C# to facilitate the conversion of older damage claim rules to newer formats, streamlining the transition process.
- Refactored a critical module to significantly reduce I/O operations and database calls, enhancing performance by reducing response times from 11 seconds to under 3 seconds.

### **Personal Projects**

**Fitness Flow** [simran.app/FitnessFlow](https://simran.app/FitnessFlow) **SwiftUI, SwiftData, Claude Code.**

Fitness Flow is the ultimate workout companion. Create custom workout schedules, track your progress in real-time, and achieve your fitness goals with an app that respects your data.

**Invoice Flow** [simran.app/InvoiceFlow](https://simran.app/InvoiceFlow) **SwiftUI, Supabase, Express, RevenueCat**

Streamline your business with our easy-to-use invoice creation app, designed specifically for iOS. Whether you're a freelancer, small business owner, or contractor, this app helps you generate polished invoices.

### **Educational Qualification**

**San Diego State University, San Diego, CA— M.S. in Computer Science**

(August 2013 to May 2016)

**Punjab Technical University, Jalandhar, Punjab, India—B.Tech. in Computer Science**

(August 2008 to May 2012)