# Simran Preet Singh Narang

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## Technologies

- **Mobile**: iOS (Swift)
- **Frameworks/Libraries:** UIKit, SwiftUI, Combine, Swift Concurrency, XC Testing Framework, Core Data, Firebase, CloudKit
- **Backend**: C#, .NET Core Web API, Python
- **Databases:** SQLite, MySQL
- **Tools:** Jira, Github, Heroku, XCode

## Professional Experience

### lululemon. *Senior iOS Developer Contract*

*(August 2021 - Present)*
- Developed and architected components in the iOS application for their new line of footwear products in the product details page.
- Developed integration points for Virtual Store.
- Developed a new Gifting experience for users to buy gift cards.
- Improved the badge highlighting feature on the product lists page to be more dynamic and support multiple badge types.
- Designed and developed the whole landing/reveal page for the footwear launch.
- Improved performance of scrolling in the Product listing screen.
- Rewrote UI color components and simplified their usage to improve initialization.
- Implemented an auto loop video component on products details page from UI and to Data layer.
- Designed and Developed multiple new UI components that work with their existing server driven UI.

### HSBC. *Senior iOS Developer Contract*

*(January 2021 - August, 2021)*
- Worked on the team to support the US iOS app.
- Successfully delivered "Card Management" feature for Premier card holders.
- Integrated newer Profile UI uplifts for a more cohesive look across the app.
- Improved Voice over accessibility throughout the app.
- Delivered the new Authentication mechanism to replace all the older ways into one single solution.

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

*(October 2017 - December 2020)*
- Worked on iOS applications for their different clients which includes a major cellular company, home monitoring app, rail line construction company and insurance companies.
- Re-architected and rewrote one of the existing apps used by 100K+ customers to use Swift and MVVM patterns for better maintenance in future.
- Developed an inhouse throttling system using Redis Caching in ASP.NET to limit calls to the REST API that has protected the API from potential DDOS attacks.
- Developed an internal iOS and Android app for monitoring downtimes so the team gets notified whenever anything goes down in production.

- Helped the company hire iOS and Android devs to create their first full mobile team.
- Developed a chatbot API to respond to basic queries by customers via chat feature in the app

**Mitchell International.** *Software Engineer - 1 (.NET Web API, AngularJS)*
(November 2015 to September 2017)
- Worked on different aspects in the back-end development of the Single Page Application for the new line of damage claim insurance products.
- Ensuring the quality and reducing the bug risk by following TDD for new code.
- Wrote automation tool in C# to convert older damage claim rules to newer damage claim rules.
- Refactored a module to reduce I/O and database calls to increase performance from 11 secs to under 3 seconds and improve response time on the client side.

## Educational Qualification

**San Diego State University, San Diego, CA**— M.S. in Computer Science (3.15 GPA)
(August 2013 - May 2016)