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Technologies

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

Professional Experience

lululemon. iOS Developer Contract

(August 2021 - Present)

- Designed and developed core components for the iOS app to support the new footwear product line, specifically on the product details page.
- Developed interaction and entry points to Mix and Match experience.
- 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.
- Designed and built the landing page for the new footwear launch, ensuring a captivating and seamless reveal.
- Optimized the performance of the product listing screen by improving the scrolling functionality.
- Simplified and restructured the UI color components, streamlining initialization and usage.
- Implemented an auto-loop video feature on the product details page, integrating it from the UI to the data layer.
- Created and developed several new UI components compatible with the existing server-driven UI framework.

HSBC. Senior iOS Developer Contract

(January 2021 - August, 2021)

- Collaborated with the team to maintain and support the iOS app for US users, ensuring a seamless experience.
- 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 - 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.
- Assisted in building the company's first dedicated mobile development team by recruiting skilled iOS and Android developers.
- Designed and developed a chatbot API to handle customer inquiries through the chat feature within the app, enhancing user engagement and support.

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

(November 2015 to September 2017)

- Contributed to the back-end development of a Single Page Application 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

Educational Qualification

San Diego State University, San Diego, CA— M.S. in Computer Science (3.15 GPA)

(August 2013 - May 2016)