**KIRAN CHILUKURI**

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**Professional Summary:**

* An accomplished professional with 8 years of hands-on experience as an **iOS** application developer.
* An experienced and passionate Mobile Application/**iOS** developer in developing high performance consumer and enterprise level applications using **iOS** **SDK**.
* Used both **SWIFT** and **Objective-C** for developing applications.
* E**XC**ellent understanding of the **Agile** Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**) and attaining highest Quality Assurance with **Agile** Methodologies.
* Extensive knowledge of native frameworks like **UIKit**, Core Foundation with Cocoa touch, **SWIFTUI**, Combine, CoreData, Core Animation, Core Location, Audio/Video frameworks etc.
* Experience in development of rich, user-friendly and cutting-edge **UI** designs that include multi gesture responsive views, table view controllers, tab bars and navigation controllers using storyboard.
* Created and customized views, table views, tab bars and navigation bars which are some basic functionalities in a multi view application.
* Recognition of Mobile Application Development utilizing **UIKit** Framework.
* Worked with storyboards, Auto layout, constraints and size classes for clean and elegant **UI** design.
* Deep understanding of how to use NSOperationQueues, GCD and blocks to perform asynchronous tasks.
* Very good understanding on **iOS** memory management using **ARC** (Automatic Reference Count).
* Worked with **MVC**, **MVVM** and **MVP** design pattern.
* Capable of handling **XCODE**, Interface Builder and Instrument very well.
* Understanding of database technologies to include relational databases, No**SQL** databases, and **SQL**.
* Experience with developing mobile applications that interface with **RESTful** services.
* Good experience using Object-Oriented concepts such as (Inheritance, Polymorphism, Abstraction, and Encapsulation) in building a reusable code.
* Experience with few extreme programming concepts like Pair programming, mobbing, **TDD**
* Worked with creating Unit Test cases for specific functionality
* Engaged in app submission process to the **App Store**.
* Understanding of Apple’s design principles and interface guidelines.
* Knowledge of Application Lifecycle Management (ALM) tools like **JIRA**, Rally.
* Experience using source control tools like **GIT** using tools like SourceTree.
* Proficient in source control with **GIT**, knowledge of subversion (SVN).
* Extensive experience in **iOS** app development, including building from scratch and enhancing legacy apps.
* Proficient in integrating various **API**s, including weather data and sophisticated mapping functionalities with Mapbox.
* Skilled in using Azure Studio for database management and data manipulation.
* Demonstrated expertise in implementing security features like Face ID and managing app distribution through **App Center** and **App Store** Connect.

**TECHNICAL SKILLS**

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| **Programming Languages** | SWIFT, Objective-C, SWIFTUI. |
| **Frameworks & Libraries:** | UIKit, Core Foundation, Cocoa Touch, SWIFTUI, Combine, CoreData, Core Animation, Core Location, Audio/Video frameworks, NSOperationQueues, GCD, Blocks. |
| **Design Patterns & Architecture:** | MVC, MVVM, MVP, Singleton, Delegation, Notifications. |
| **UI/UX Design:** | Storyboards, Auto Layout, Constraints, Size Classes, Table Views, Tab Bars, Navigation Controllers, Multi-gesture responsive views. |
| **Data Handling:** | RESTful APIs, GraphQL (AWS AppSync), JSON Parsing, NSJSONSerialization, SQL Databases, NoSQL Databases. |
| **Security & Testing:** | Face ID, Biometric Authentication, Local Authentication Framework**,** Unit Testing**,** Test-Driven Development (TDD)**,** XC Tests**,** UI Tests**,** Perfecto Automation Testing. |
| **Development Tools:** | XCODE**,** Interface Builder**,** Instruments**,** CocoaPods**,** Azure Studio**,** AppDynamics. |
| **Source Control:** | GIT, SourceTree, Subversion (SVN). |
| **CI/CD:** | Jenkins, App Center, App Store Connect. |
| **API Integration:** | Weather APIs, Mapbox Integration. |
| **Software Development Life Cycle (SDLC):** | JIRA, Rally, Agile, Scrum. |

**Professional Experience:**

**Nutrien - Loveland, CO Nov’22 – Present**

**iOS Developer**

**Responsibilities:**

* Collaborated closely with cross-functional teams, including **UI**/**UX** designers, to create user-centric mobile solutions that align with project objectives.
* Developed and maintained advanced **iOS** applications using **SWIFT** and **Objective-C**, ensuring robust and efficient functionality.
* Implemented **RESTful** **API** integration to connect **iOS** applications with back-end services.
* Implemented **GraphQL** using **AWS** AppSync for efficient and flexible data manipulation and retrieval. This implementation streamlined data processes and improved app performance.
* Expertly addressed and rectified data synchronization issues, ensuring seamless data flow and accuracy across the application. This effort greatly enhanced the efficiency and effectiveness of sales and managerial operations.
* Played a key role in maintaining and enhancing legacy applications used by salesmen and managers. Focused on identifying and resolving critical bugs, significantly improving application reliability and user experience.
* Actively participated in **Agile**/**Scrum** meetings, contributing to the planning and development phases of the project.
* Employed **GIT** and SourceTree for robust version control, ensuring safe and organized management of code changes across various stages of the development lifecycle.
* Extensively used ServiceNow for efficient ticket management, addressing and tracking user-reported issues, which contributed to streamlined incident resolution processes.
* Utilized Azure Studio for querying servers and databases, playing a crucial role in data manipulation for testing and development purposes. Demonstrated proficiency in leveraging Azure Studio's capabilities to optimize data queries, ensuring effective and efficient testing environments for application development.
* Led the implementation of a weather **API** across multiple applications, enabling real-time weather data integration. Developed **UI** elements that display weather information upon user interaction, enhancing the app's functionality and user engagement.
* Responsible for setting up **SQL** databases on servers, regularly checking for data discrepancies and errors. Collaborated closely with the database team to report and rectify issues, ensuring data integrity and accuracy.
* Meticulously documented all features developed and implemented for **iOS** applications, focusing on clarity and comprehensiveness. This approach was key to facilitating easy understanding for clients, ensuring they could effectively utilize and leverage the full potential of the apps.
* Successfully integrated biometric authentication features, ensuring a seamless and secure user experience while maintaining the robustness of the app's security protocols.
* Spearheaded the implementation of Face ID authentication for both legacy and new **iOS** applications. This initiative significantly improved login security and user convenience, aligning with modern security standards and user expectations.
* Responsible for distributing these builds through **App Center**, streamlining the delivery process to testers and stakeholders. This role involved closely monitoring the distribution pipeline to ensure timely and successful deployment of app versions.
* Ensured that all applications met quality and performance standards, complied with **App Store** guidelines, and were optimized for the best user experience, from build creation to final deployment in the **App Store**.
* Participating in Code Review and working on **Agile** environment for development using Atlassian tools.
* Implemented sophisticated mapping functionalities into various **iOS** applications using the Mapbox framework. This role involved leveraging the advanced capabilities of Mapbox to provide interactive, detailed, and user-friendly map interfaces.

**Environment:** **SWIFTUI**, **SWIFT**, **XCODE**, Rest, **GraphQL**, **AWS**, Appsync, **GITHUB**, **Cocoa pods, Appcentre, Appstore.**

**Penn Interactive Ventures - Philadelphia, PA Jan’21 – Oct’22**

**iOS Developer**

**Responsibilities:**

* Using **MVVM** approach, Singleton, Delegation and Notifications with use of KMM.
* Extensively involved in design discussions and user experience sessions to provide inputs on the layout and **UX**.
* Implemented core features like Quick bet, same game Parlay and bet slip sharing in Barstools application.
* Integrated **SDK**, which helps in detecting Malware threat to the user and notify the system.
* Tracked User reports, App Metrics, Crash logs using AppDynamics.
* Extensively worked on the core modules **UI** development in landscape and portrait mode using auto layouts.
* Converted code from **UIKit** to **SWIFTUI** and Combine for existing and new functionalities.
* Consuming **JSON** web service to fetch the data, reformatted the data to group the departments under a parent product group and bind it to the View.
* Designed the interface to control the brightness of the application using the **UIKit** framework.
* Implementing instant notifications and push notifications service using APNS service.
* Writing **XC** tests focussing on functionality of the flows to bring the code coverage up for this project.
* Worked on multiple sprints writing unit tests for already existing files.
* Used perfecto to run automation testing for our suite of test cases to make sure the build we deliver to QA passes their existing suite of test cases.
* Writing **XC** **UI** tests as well to make sure all the **UI** flows of the app are working properly.
* Participating in Code Review and working on **Agile** environment for development using Atlassian tools.

**Environment: SWIFTUI, SWIFT, XCODE, Rest, GITHUB, Cocoa pods, Jenkins.**

**Sprint - Overland Park, KS Jan’19 – Dec’20**

**iOS Developer**

**Responsibilities:**

* Developed multiple futures for the prepaid (My Boost) and postpaid (My Sprint) applications using **SWIFT** 4.0 following the **MVP** pattern.
* Implemented unit testing, caching, tokens handling.
* Developed POCs for CardIO, password autofill, Siri payments, 3D touch, app se**ARC**h indexing.
* Worked extensively on Multiview applications and customizing Table views, Navigation bar, Tab Bar.
* Lead the team for prepaid application as well as third party app submissions.
* Worked on **JIRA**, Rally, Kanban, **GIT**, Source Tree.
* Implemented biometric authentication for security in the application using the Local Authentication Framework.
* Managed development activities such as sending the build to provisional deliveries.
* Migrated from **SWIFT** 3.0 to **SWIFT** 4.0 to get better performance.
* Attending daily standup and **Scrum** meetings to discuss the work progress.
* Participated in code reviews in every sprint for efficient coding practices among the team.
* Implemented weekly ad features and fixed bugs from previous versions.
* Followed good pairing practices as well as Mobbing when required.
* Worked extensively using **TDD**, snapshot as well as **UI**Testing.
* Followed the testing pyramid for development.
* Worked on few **GIT** hooks like husky, **SWIFT** Lint
* Worked on modularization of the entire code base by creating the frameworks.
* Implemented entire map feature in **MySprint** as well as **MyBoost** application.
* Implemented Compass in **Sprint Network Tool**.

**Environment: IOS 12, SWIFT 5.0, SWIFT 4.0, XCODE 10, Cocoa Touch Framework, Firebase,GITHUB**

**Tracfone - Miami, FL Sep’17 – Dec’18**

**iOS Developer**

**Responsibilities:**

* Used a Test-Driven Development (**TDD**) environment in a **Scrum** development methodology to provide end-to-end development.
* Implemented Accessibility and Localizations on the application.
* Followed a work data flow principle for design and development.
* Worked with **UI**ActionSheets, **UI**TableViews, CustomCells, **UI**ScrollViews, Navigation Controllers, delegates, and protocols.
* Worked with **Objective-C**, **SWIFT**, and Cocoa Touch Frameworks, which includes **UIKit**, Foundation, **UI**ImagePicker, **UI**DatePicker.
* Created customized Views, Table Views, Collection views, action sheets, segmented controls, Tab Bars and Navigation Bars.
* Handled the client-side session management and NS Timers to remember what coupon code is already used.
* Used NS**JSON** Serialization to retrieve data for display on the iPhone/iPad from the server using **RESTFUL** web services.
* Worked on Web Service calls and **JSON** parsing.
* Developed serious tools for this project like Customized Navigation bar, Page control, and Scroll view.
* Worked on Infor mobile POS implementation development model.
* Designed the **MVC** flow for the application with **UI** components and controllers to be used for the iPhone.
* Used **Objective-C** Project in **SWIFT** by configuring an **Objective-C** bridging header.
* Utilized and combined **UX** practices to target and adapt existing web-based functionality to a task-based, user-friendly mobile system.
* Worked on iPhone **SDK** and internet connection Protocols.
* Used Instruments to check for processing bottlenecks memory leaks and retain cycles.
* Responsible for Service Integration Development and Testing and fixed bugs using **JIRA** tool.
* Worked with **GIT** to check out and update the Reported progress/challenges to the onsite project lead.
* Worked on Interface builder, Date picker control, loading data into controls using **SWIFT**.
* Worked on troubleshooting **UI** to code connections in **SWIFT**.

**Environment: Objective-C, XCODE, Cocoa Touch, GITHUB, SourceTree and RESTful, Soap Services, Agile, MVC, NSJSON Serialization.**

**Wipro Info Tech, Hyderabad, India Dec’14-Dec’15**

**Systems Engineer**

**Responsibilities:**

* Implemented push notification service setup on App side with UAIRSHIP and location-based pushes setup through geoloqi.
* Worked with MF Mail Compose View Controller to create an email page that allowed users to share deal with friends or give feedback to Twicular.
* NS Operations and NS Queue and blocks was used to update **UI** rendering and significantly improved the response time.
* Worked on PLEX-C Compiler Development, Compiler Optimizations, Migration of Compiler and related tools from Solaris to Lin**UX**.
* Conducted code reviews, client meetings, presentations and team management.

**Links:**

* https://itunes.apple.com/us/app/my-sprint-mobile/id491126018?mt=8
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* <https://apps.apple.com/us/app/nutrienvm/id1482409557>

**EDUCATION:**

Masters in Computer Science and Technology - SAU, Arkansas