**Name: Geeth Singh**

**Phone:(651) 528-3379 Email: geetsinghmakhani46789@gmail.com**

**Professional Summary:**

* Over 8+ years of experience as a software Engineer in designing & developing Web and Mobile applications. 5+ years of work experience in iOS Application Development with good knowledge in XCode, iPhone SDK, Cocoa-touch and. Strong base of Objective C, Swift.
* Good exposure to Objective C and Swift Programming by creating apps for latest iPhone and iPad devices.
* Complete understanding of the Object-Oriented Programming features along with iOS’s Cocoa Touch Layer’s frameworks.
* Worked on APNS (Apple Push Notifications) and Local Notifications related stuff as a part of the new feature.
* Implemented Fingerprint authentication using LAcontext.
* Experience in implementing multiple OOP architectures including MVC, Singletong.
* Memory and Data Management experience in Automatic Reference Counting (ARC).
* Extensive knowledge of various frameworks including: UIKit, Core Foundation, Core Data, Core Location, EventKit, UIKit Graphics, Core Animation, Core Text AVFoundation, MapKit, AddressBookUI, MesssageUI, Notification Center, PushKit and Security.
* Expertise in using third party frameworks/libraries such as AFNetworking and Core Plot to integrate additional functionality into applications.
* Worked with REST/SOAP Web Services and APIs using NSURLSession.
* Proficient knowledge on HyBrid Frameworks like PhoneGap, cordova etc
* Good experience on NSOperation threads GCD and Blocks to perform multi-threaded development.
* Experience with various MVC Java frameworks like AngularJS, UnderscoreJS, and NodeJS etc.
* Proficiency in Using NSUserDefaults and NSNotificationCenter for storing and maintaining user data for iOS Applications.
* We used Html5, CSS , java Script.
* Have deep knowledge in Linux Environment.
* Implemented communication between application and Bluetooth by using BLE.
* Experienced in all aspects of iPhone & iPad application development including design for all types of screen sizes and orientations.
* Proficient in source control with Git, SVN,BigBucket, Source tree.
* Experienced in parsing XML and JSON data using NSXMLParser and NSJSONSerialization for display on the iPhone/iPad from server.
* Created and Customized Views, Table Views, Collection views, Action sheets, Segmented controls, Tab Bars and Navigation Bars.
* Thorough understanding of backend database technologies like Oracle and MySQL, and the embedded database SQLite.
* Experience managing application flow using Storyboard and XIB files.
* Great knowledge in developing User-Interfaces, Screens for various screen sizes using the Android Studio and Simulator.
* Extensive knowledge in HTML5/JS/CSS.
* Proficient in programming languages such as JAVA, HTML5 and JavaScript.
* Experience in implementation of the SDLC process with different project management methodologies including Agile.
* Familiar with Agile and TDD methodologies.
* Well versed in user-friendly design, performance improvement, documenting code, refactoring, continuous integration and deployment and working knowledge in Unit and Automated testing.
* Quick learner, excellent analytical, design and problem-solving skills and always curious to learn new skill or a new technology.

**Technical Skills:**

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| --- | --- |
| **Programming Languages** | C, **Objective-C, Swift**, **Java**. |
| **Web Technologies** | HTML5, CSS, JavaScript |
| **Tools** | **Xcode**, iPhone/iPad Simulators, **Eclipse**, NetBeans, Dreamweaver, **Android** **Studio**, Android Emulator. |
| **SDK / Frameworks** | **Cocoa Touch**, Cocoa Pods, UIKit, Foundation, **Core Data**, Event Kit, AddressBookUI, MessageUI, Event Kit, Map Kit, Security, Core Location, Core Graphics, Core Animation, Core Text, **AFNetworking**, **Core Plot.** |
| **Notifications** | APN, Local Notifications, **PUSH** Notifications, Alerts. |
| **Web Services** | **SOAP, REST** (XML & JSON) |
| **Databases** | Oracle, MySQL, User Defaults, **SQLite** |
| **Operating Systems** | MAC OS X, iOS, Android, Windows XP, Windows 8, Windows 7, Linux |
| **Development Models and Design Patterns** | **MVC**, **OOP**, **Singleton**, **Agile**, TDD. |

**Client: Apple Inc, Sunnyvale, CA**   **May 2022 - Present   
Role: iOS Developer**

**Professional Experience:**

**Project:** Developed Application for flight attendants to monitor passenger’s attendance and taking and arranging meal orders on fly and make the payments for the respective actions. Also have developed internal communications between the passengers who are belonged to the local network with Bluetooth and Wi-Fi.

**Responsibilities:**

* Involved in Design, Development and Testing of software development life cycle.
* Application completely developed in swift, using iOS native frameworks like UIKIt, Coredata
* Implemented multiple views using cocoa touch framework UIkit, SwiftUI, UserNotification and foundation etc.
* Used core date framework to store all userprefernces and orders of the Passengers .
* Worked on creating XCFramework for the local network library to use it in the main application.
* Using **Multipeer Connectivity** framework established the mesh network to connect the multiple device which are in the range.
* Network will be created using Bluetooth and Wi-Fi enablement using MVC , MVVM.
* Worked on building the framework for mesh network and distributed using Cocoa pods repo.
* Used Azure devops tools for task creation, progress tracking and to know the scope of the project.
* Implemented API calls using **RXswift**, **RxCocoa , Swift UI** for the licensee key validation for the framework to handle asynchronous calls.
* Used source tree and terminal to clone, merge and to resolve the conflicts among the different branches.
* Used Vera code tool to check the code quality and clear the vulnerabilities find by Vera code tool.

**Environment**: Xcode 13, swift 5.1,  iOS 15, Storyboard, JSON Parser, Hockey app

**United Air Lines, Chicago**   **Feb 2020 – Mar 2022**

**Role: Sr. iOS Developer**

**Project:** Developed Application for apple sales team. app provides the worldwide sales details of all apple products like iPhone, mac, iPad, Beats etc. Around the globe all apple stores and retailers report can be monitor by this application. It’s really good experience working with renowned developer.

**Responsibilities:**

* Application developed using swift3 language and cocoa touch frame works.
* Worked with ios frame works like SwiftUI uiKIt, Foundation using MVC , MVVM .
* Developed table views, scroll views, collection views and stack view etc.
* Worked with Sqlite data base for backend data.
* Implemented GRDB frame work Database integration.
* Used sonarqube server for code quality and sonar copy tool for data migration.
* Implemented RevizTouch framework to develop to show the data in chart form.
* Used GItLab as version control to maintain the entire project with all team members.
* Used apple ticketing tool Radar for project and bug tracking.
* Shell commands to access the project through gitlab by using terminal.
* For incident report and service request we used central station tool.
* Used settings bundle for all the filter values of application user can choose from the settings.
* Implemented regular releases for the application with enhancements and bug fixes
* Worked on APNS(Apple Push Notifications) and Local Notifications related stuff as a part of the new feature.
* We worked all together with business team to collecting requirements from the initial stage of the project.
* Used Combine Framework to work on declarative Swift API for Processing values over time.

**Client: Blue Shield of Califirnia, SFO, CA Nov 2019 – Jan 2020**

**Role: Jr iOS Developer**

**Project:** Blue shield of California is insurance company health sector, to give complete native experience to their customers. They developed the native application for both IOS and Android platforms. Customers can view their claims, nearby Primary care Physicians. search for doctors, dentists and view ID Cards also. It’s made work easy for customers to view benefit details also.

**Responsibilities:**

* Application developed in objective c and swift using cocoa touch and all other frame works.
* Worked on ios frame works like UIkitFoundation, CoreData, Address Book, AVFoundation framework, Core Foundation, event kit , MVC , MVVM.
* I worked on Map kit, geocoder, core location and reverse geo coding with all the annotations.
* Implementing New Login frame work by replacing the existing frame work which enables more insight into logs at the time of bug fixing.
* Developed table views, scroll views, collection views and stack view etc.
* Developed application from the Scratch, with coordination of all teams and Implemented Automation also.
* Played role in debugging logics in Eclipse IDE and Android SDK.
* Used Combine Framework to request values any time for backpressure support.
* Performed testing on physical device and the Android emulator.
* We Enabled Apple Push Notification service for this Application.
* Successfully handled memory management throughout the application.
* Implemented XCTest and XCUITest frame work for the unit test, UIAutomationTest t and used Appium, selenium tools for functional and performance testing.
* Used Jenkins for continuous integration using Xcode-plugins for the different environments.
* We implemented MVC Java frameworks like NodeJS.
* Used Eclipse IDE to develop the screens for the application using MVC design pattern.
* Implemented Bluetooth low energy frame work for the application.
* Worked with portal developers for all the service details.
* Worked on phone gap framework of hybrid application to get the logical info for native development.
* Implemented UI by using HTML5 and CSS.
* Worked on Combine framework to provide asynchronous code so that there is no more call back hells , provide composition for inheritance & reusability.
* Designed and built signup and login pages using HTML5 and JavaScript and used parse to save user information on the cloud.
* Used RESTful API services for retrieving the data from the servers and parsed the JSON data.
* Experience with database normalization Theories, Data dictionary techniques.
* Implemented Google Analytics for future development of application by the user’s regular choices in both Android and ios Platforms.
* Devised Restful services with java Apache CXF and performed code reviews for peers.
* We used Espresso for Android Ul testing Swift UI and Xctest frame work , MC , MVVM for iOS.
* Resolved many issues in production that was reported by hockey app.
* We used cocoapods to import 3rd party frameworks.
* I worked under Test Driven Development Environment.
* We used GitHub as version controller tool for complete project.
* We worked all together with business team to collect requirements from the initial stage of the project.
* Worked with UX team and design team for UI design development and for all the assets need for the project.
* Worked with Android team very closely to make both platforms at same stage of product development.
* I worked on iOS 10 for minor auto layout changes and to fix constraints issues.
* We implemented Finger print authentication by Using Keychain Access with encrypted Token.
* Worked in Agile environment and participated in SCRUM meetings.

**Environment**: Xcode 8, Objective-C, swift3,  iOS10, Storyboard, JSON Parser, Hockey app

**Client: Code Ignitors, Hyd, Ind Apr 2014 – Oct 2019**

**Role: UI Developer**

**Project:** Laboratories process the patient lab reports so we are Created and modified application related objects, created Profiles, users, roles and maintained system security. Involved in gathering requirements and built technical specifications from the requirements. Involved in Data Analysis and provided the solution sets to work teams.

**Responsibilities:**

* Individually involved in the project from requirement analysis to production.
* Developed the UI using JSP and JavaScript.
* Business Services using the Servlets and Java.
* Developed and modified Servlets to accept and process request from the clients.
* Developed various objects using java and HTML and DHTML to maintain well-structured GUI and to interact with Controllers to get data from Oracle database.
* Unit Testing and Regression Testing of Web Application.
* Fixing Cross Browser/Environmental issues.
* Performance tuning in Presentation Layer and Backend.
* Developed clickable prototypes in HTML, DHTML, Photoshop, CSS and JavaScript.
* Tested web sites and fixed any existing bugs using Firebug.
* Provide maintenance to several websites.
* Responsible for code optimization and test the website across different browsers.
* Wrote complex SQL statements to retrieve data from the Oracle database.
* Developed Ant builds script and ant task classes to clean, compile, copy, run, and deploy, jar, WAR and EAR files, and develop web service.
* Used JDBC API to access database.

**Education Details:**

* **Bachelor of Engineering (BE) in Computer Science and Engineering (CSE) from Medicaps university. Indore in 2014.**