**Mahender Rao Arshanapally**

**Sr. Mobile Android Developer**

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**Contact: -** 650-713-7373

**Professional Summary**:

Over 10 years of experience in Designing and Developing Application Portals and Client Server Applications, over 8 years of experience in mobile applications design and development. Have strong understanding of **Object-Oriented Programming (OOPs)** design. Team Lead experience of over 5 years with responsibility to estimate, develop and deliver the features.

**iOS:**

* Expertise **iPhone/iPad** applications using **Swift, SwiftUI, Objective-C, C++, Cocoa Touch**, and object-oriented programming. Developed apps using various **software design patterns (MVC, MVVM, Singleton, Delegation, Publisher Subscriber, Combine, and protocols).**
* Strong experience in end-to-end Mobile Application development for iOS platform using View Controllers, Frameworks, Services, Maps, Location based services, Beacons, Auto Layouts, Storyboards, Core Data, REST services, Encryption/Decryption using AES 256
* Strong knowledge about Core Frameworks like, **Core services, Core Graphics, Core animation, UI Kit, Combine**
* Expertise in implementing **Touch ID** and **Face ID** and saving data **securely in the device Key Chains**
* Extensively worked with **Story Board, Core Data, Multithreading, User Defaults, Delegates/Protocols** and Categories.

**Android Developer;**

* Expertise in **Android application** development using **Java, Kotlin, Android SDK**.
* Strong understanding of fundamentals such as **Activity lifecycles, Fragments, Custom Layouts, AsyncTasks, Intents, Services, Content providers, Broadcast Receivers, etc**.
* Expertise in consuming web services, parsing **JSON** data into Apps, storing them into **SQLite** databases and other storage options like **Shared Preferences.**
* Familiar with newer Android components from Jetpack such as, **LiveData, ViewModel, Room DB, Coroutines, Navigation Component, Kotlin Extensions (KTX).**
* Strong experience in end-to-end Mobile Application development for Android platform using View Controllers, Frameworks, Services, Maps, Location based services, REST services, Encryption/Decryption using AES 256
* Expertise on Push Notification settings and implementations using GCM and FCM
* Working knowledge of **SQLite,** Google Map, Places, Place Details, Location Picker Widget, Geo Data API, Sign-in API, and Facebook API integrations
* Expertise in understanding, implementing **MVVM** architecture, Event driven architecture, and multi module applications.

.**Net/WebApi:**

* Worked extensively on Microsoft Technologies like **ASP.NET, C#.NET, VB.NET, WCF, ADO .NET, MS SQL Server,** and IIS to develop Web Applications using Visual Studio and **.NET Framework 4.6/4.5/4.0/3.5, .Net Core 3.1**
* Expertise in W3C standard web application scripting languages and interchanges such as, **HTML 5, CSS 3, JavaScript, Ajax, XML, AngularJS 8, ReactJS and jQuery.**
* Expertise with creating database connections, connecting to MS access and MS SQL server, creating database tables, indexes, triggers, writing complex queries, joins and views, inline SQL Statements, data modelling, Stored Procedures, Transact SQL, and PL/SQL.
* Worked extensively on creating and consuming Web services working using **WCF (SOAP),** **.Net Framework Web API (RESTfull)** and **.Net Core Web API**
* **AWS Experience** – Actively working on rewriting existing services to **Microservices**, using **AWS (Amazon Web Services), EC2, RDS, Dynamo DB.**
* Worked with **NoSQL** Databases like CouchDB, MongoDB, and DynamoDB

**Technical Skills**:

Programming Languages C, C++, Java and C#, Swift, Swift UI, Objective-C, C, Kotlin, C#,

Frameworks / APIs:Cocoa Touch, Foundation, UIKit, Core Graphics, Core Data, Core Plot, Core Bluetooth

Operating systems: iOS, Android, Mac OS, Unix/Linux, Windows

Databases: Microsoft SQL Server, Core Data, SQL Lite, MySQL

Cloud Platforms: AWS , Azure

**Professional Experience**:  
  
**United Airlines Inc., Houston, TX Oct 2016 to Present**

**Sr. Lead Android/Mobile Developer**

Description: United Airlines is one of major airline in United States of America

**United Airlines**

iOS app: <https://apps.apple.com/us/app/united-airlines/id449945214>

Android app: <https://play.google.com/store/apps/details?id=com.united.mobile.android>   
Other internal apps (inflight, TechOps, etc)  
**Responsibilities**:

* Worked extensively on **XCode, Swift, Swift UI, Objective-C, Cocoa pods,** for developing the **native iOS application for iPhone**.
* Developed quality code in **Swift** and **Objective-C** to meet story acceptance criteria.
* Implement new features and modules in the app by usage of **Swift.**
* Worked on Integrating using **REST Web services** and working with various data parsing forms to dynamically display data by parsing such as JSON.
* Used Storyboards and XIB files to add new screens using auto-layout constraints.
* Extensively worked with **Story Board, Core Data, Multithreading, User Defaults, Delegates/Protocols** and Categories.
* Created **Custom Views** in multi module environment, implemented **animation views** to handle transition.
* Worked extensively on **Android Studio,** **Java, Kotlin, Gradle scripts** for developing the **native Android application.**
* Developed quality code in **Kotlin** and **Java** to meet story acceptance criteria.
* Implement new features and modules in the app by usage of **Kotlin.**
* Worked on several complex features like push notifications, deep links, payments, and Seat Maps and integrating in multiple entry points.
* Implemented and integrated new ancillary products like cabin upgrades, trip insurance, purchase bags, priority boarding.
* Developed Common payments module as library with ability to integrate in various flow of the app to allow checkout using form of payments like PayPal, Masterpass, creditcard,and several third party payment sdks.
* Involve in various phases of Software Development Life Cycle (**SDLC**) of the application like Requirement Gathering, Design and Analysis and code development.
* Used **GitHub, and Subversion** version control systems to update code base with new code and used GIT features like **Pull request, Cherry pick, Commit**, push, pull to perform various functions on codebase to manage deliverables.
* Test application for compatibility using simulators and real devices to optimize applications.
* Extensively used **MVVM** and **MVC** to develop various features.
* Involve in all major client meetings and helped to prepare templates for simplifying tasks.
* Used Atlassian tools such as **JIRA** and **TFS** to manage and keep track on progress of project.
* Work on a power point presentation to demonstrate the project work to stakeholders.
* Provide ongoing troubleshooting/support for production applications.
* Make use of Charles proxy to observe, debug network traffic on the application.
* Extensively used Microsoft teams, Slack to communicate with team members, to discuss business requirements.
* Added animation between UI Views and Pre-fetching data for different views for smooth transitioning and better user experience.
* Refactored and Re-architected few classes for better scalability and maintenance.
* Collaborated with **design team**, **QAs, scrum master** and **product owner** to implement enhancements or new applications during daily standups, **sprint planning** and **sprint retrospectives.**

**Fidelity Investments, Durham, NC Jan 2015 to Sep 2016**

**Software Developer**

Description: Fidelity Investments is an American Multinational financial services corporation

**Responsibilities**:

* Responsible for the design, architecture, and development of Web based systems from the Database Layer all the way to the UI Layer.
* Implemented Continuous Integration and Deployment for Development and QA Environments.
* Worked extensively on **XCode, Swift, Swift UI, Objective-C, Cocoa pods,** for developing the **native iOS application for iPhone**.
* Developed quality code in **Swift** and **Objective-C** to meet story acceptance criteria.
* Implement new features and modules in the app by usage of **Swift.**
* Worked on Integrating using **REST Web services** and working with various data parsing forms to dynamically display data by parsing such as JSON.
* Used Storyboards and XIB files to add new screens using auto-layout constraints.
* Extensively worked with **Story Board, Core Data, Multithreading, User Defaults,**
* Developed backend solutions to integrate several Oracle and SQL Server data sources to a central database using SSIS packages.
* Worked on the Authentication and Authorization module based on the different roles in the Application.
* Implemented the Application using Dependency Injection Pattern.
* Interacted and coordinated the development with various other Teams - Solutions Team, localization Team, QA Team & Migration Team.
* Performed Unit testing on every new version before sending it for User Acceptance Test (UAT).
* Responsible for deployment of the Application in production and resolving any post-deployment issue. Involved in maintaining data quality and migrating data between all data sources.
* Mentored junior developers with software best practices.

**Stanley healthcare, India March 2011 – June 2014**

**.Net Developer**

Description: STANLEY Healthcare is a recognized leader in visibility and analytics solutions that transform safety, security and operational efficiency for senior living organizations, hospitals, and health systems.

**Responsibilities**:

* Developed web forms using ASP.Net and C#
* Developed Custom Controls and Navigation controls using C#.Net.
* Extensively used and customized complex ASP.Net server controls like Data grids, Calendar and more.
* Implemented Validation for client-side and server-side validation using JavaScript.
* Design **Web pages using ASP, HTML, JavaScript,** and **CSS.**
* Involved in Design, Development and testing of application.
* Participated in requirement gathering sessions with the client and preparation/modifying of the requirements in Requirement Specification document.
* Involved in the design, development, and maintenance of the **SQL Server.**
* Performed **Unit testing, debugging** and **problem solving**.
* Prepared User Manual and made documentation.
* Took care of Code Review, Code, and bug Fixes
* Involved in various phases of Software Development Life Cycle (**SDLC**) of the application like Requirement Gathering, Design and Analysis and code development.
* Involved in Sprint Planning & Story grooming and Sprint Retrospective ceremonies.
* Used reporting tools such as **TFS (**Team Foundation Server**)** to manage and keep track on progress of project and document the changes.
* Developed code for operations between the application and the database using Language-Integrated Queries (LINQ) with Lambda Expressions in C#.
* Involved in Unit Testing, writing test cases, and applying performance improvement techniques.

**Education:**

* Bachelors in computer science, JNTU, Hyderabad, India 2011.
* Masters in computer science, Central Michigan University, Michigan, USA - 2015