**Mobile Developer / Xamarin MAUI / .Net**

469 – 908 – 1664

[raja@teksoftsystems.com](mailto:raja@teksoftsystems.com)

GitHub URL : https://github.com/shanthanreddy7

**PROFESSIONAL SUMMARY:**

* A Software Developer with 7 plus years of Software development and Mobile application development experience in Telecom, Insurance and Ecommerce industries. Developed applications Visual Studio, XCode, Android Studio primarily on IOS and Android Platforms and Web applications.
* **Team Environment** – Worked with a team of ranging from 2 to 40 members for mobile application and web development using advanced SDKs.
* **Mentoring / Training** – Volunteered and trained other developers for better results and various software characteristics.
* **Analysis** – Capable in analytical skills, recognizing and rectifying logical gaps in requirements inside design range. Planned effective solutions for future system changes to limit improvement in business-oriented development.

**AREAS OF EXPERTISE**

* Systems Design
* Data Structures and Algorithms.
* Problem Solving, API Integration, Unit Tests
* Code And PR Reviews, Clean Code and Code Refactoring.
* Solid Principles
* Asynchronous Programming
* Push Notifications
* Offline/Online Data Synchronization.
* Rest APIS/ Web API Development.
* GIT

**EXPERIENCE AND SKILLS**

* C#, Java
* Xamarin Forms, Xamarin Native , MAUI, Native Android
* XAML, Interface Builder, Storyboards, SQL, AXML
* Rest API, MVVM , MVC

**EDUCATION DETAILS:**

* Master’s in Information systems – Harrisburg University of Science and technology ,2017
* Bachelors in computer science – Satyabhama University ,2014

**PROFESSIONAL EXPERIENCE:**

**Hawaiian Airlines June ’23 – PRESENT**

**INDUSTRY: Aviation**

**POSITION : Mobile / .NETMAUI Developer**

**Links**

**•** **https://play.google.com/store/apps/details?id=com.hawaiianairlines.app&hl=en\_US&gl=US&pli=1**

**•** **https://apps.apple.com/us/app/hawaiian-airlines/id575400964**

**Project Summary:** Mainly focused on the migrating current app written on Xamarin Forms to .NET MAUI.

Hawaiian Airlines Mobile App is a consumer facing application on iPhone/ iPad and on all sorts of Android phones (>version 9).This helps the user with the check-in, paperless boarding pass, shopping, and real time flight notifications and all the details you need for a safe travel including International Travel Flow.

**KEY RESPONSIBILITIES:**

* Worked on the Migration from the current Xamarin Forms Codebase to the .NETMAUI
* Worked on the pre-NETMAUI stuff prior to the cutover to .NETMAUI which involved code refactoring , removing libraries that are not compatible to .NETMAUI and putting common libraries.
* Working on several refactoring of the codebase to make sure if its falls compatible to MAUI with the new libraries .
* Worked on the Library binding Projects update targeting MAUI (.NET 7/ .NET 8).
* Worked on the SDK layer for any new endpoint (in MuleSoft) that is consumed on the Mobile App Layer .
* The architecture follows a cake model with App layer , SDK layer and API layer from bottom to top approach.
* Active Participation in Code Refactoring, Pull Request Reviews for the better results.
* Codebase in CommunityToolKit.MAUI with Unit Tests and Integration Tests.
* Writing Analytics for the buttons and page view elements within the App.
* Working on the migrating the library projects from XF to MAUI .
* Active participation in writing , fixing, and adding new Unit Tests .
* Worked on several Dashboard Alerts, Analytics and Research Tasks
* Active Production bug fixing.
* Implemented flow states to accommodate the flow-based navigation at more complex scenarios.
* Upgraded and tested all the custom Nuget libraries to .NET 8/.NETMAUI compatible.
* Active participation in Production and UAT bug fixing.

**LESLIE’S POOL CORP APRIL ’22 – May’23**

**INDUSTRY: RETAIL**

**POSITION : Xamarin / .NETMAUI Developer**

**Links**

**•https://play.google.com/store/apps/details?id=com.lesliespool.mobile&hl=en\_US&gl=US&pli=1**

**•https://apps.apple.com/us/app/leslies-pool-care/id1376878954**

**Project Summary:** Leslie’s Pool Corp App in the Play Store serves many purposes ranging from Ecommerce for the pool Supplies to Accublue Water Testing.

**KEY RESPONSIBILITIES:**

* Helping and working on their consumer facing Application (Xamarin, IOS and Android) building new features and bug fixing.
* Active Participation in Code Refactoring, Pull Request Reviews for the better results.
* Codebase in MVVMCross with Unit Tests and Automation Test setup.
* Active participation in the bug fixing at production level with the current 4.4 release out live.
* Implemented Analytics within the application for button clicks and Page Views to study the user activity , demographics and improve the business .
* Active involvement with the backend Team for better inputs if needed.
* Consumed the Sales Force APIs on the Mobile UI Threads
* In process to bootstrap and transition the current code base to MAUI for better compilation times ,performance and from future perspective.
* Keeping up-to-up date with the latest trends and developments in .NET MAUI, and continuously improving skills and knowledge.
* Implemented the Dark and light mode themes using App Theme Bindings.
* Implemented Geolocation and Map APIS for the location and map services.
* Used the “**CommunityToolKit**.**MVVM**” library to bootstrap and set up the standard MVVM architectural design pattern.
* Used the **AppShell** to register the routes of pages for navigation.
* Used **Shell** view to navigate the pages back and forth for MAUI Applications .
* Wrote wrappers using ObjectiveSharpie for the SDK that map to Native IOS Swift and Kotlin Frameworks.

.

**SPECTRUM (CHARTER COMMUNICATIONS), DENVER. Sep’ 2020 TO MARCH ‘22**

**POSITION: XAMARIN MOBILE APPLICATION DEVELOPER**

**Links**

**• https://apps.apple.com/us/app/my-spectrum/id942608209**

**• https://play.google.com/store/apps/details?id=com.brighthouse.mybhn&hl=en\_US&gl=US**

**Responsibilities:**

* Developed different New Journeys like Account Activation, Home Page Views, CPNI Authentication, Accounts, Billing.
* Took initiative to learn the React Native and went on successfully developing new features under minimal supervision.
* Good Experience in React JS for creating interactive UI using One way data flow , Virtual DOM, JSX and many more react native concepts .
* Completed Code Conversion from Xamarin to React Native with feature parity.
* MVVM Code base in Xamarin Forms and Native
* Implemented various own UI Components for the better UI and its flexibility with all the screen sizes.
* Used GitLab for better CI/CD pipeline management.
* Implemented Accessibility and Analytics (used prism and Sequence) for Testing.
* Integration of the Services of the type GraphQL.
* Implemented the Analytics for all the pageviews and all the UI elements like buttons to study the user activity and their demographics as part of the requirement.
* Unit Tests for the View Model Objects and Data Clients (API Implementation Classes).
* Used Custom Renderers and Effects and converters for the Platform specific UI and functionality.
* Implemented Dark Mode and light mode within the application.
* Push Notifications using Firebase Cloud Messaging Services on the Client Side.
* Actively worked on the Web Applications and Mobile Applications on multiple Stacks using Typescript, Java, C#, XML and React Native JS .
* Thorough understanding and Good extensive knowledge of Angular 2.0 and TypeScript.

**PAY TEL TELECOMMUNICATIONS, GREENSBORO, NC JUNE’18 -AUG’20**

**POSITION: XAMARIN TABLET DEVELOPER/ .NET DEVELOPER**

**Project Summary:** In this project, Developed the Calling and Messaging Applications which goes onto the Launcher Pad of an Android 8 Inch Tablet. These tablets are out to the inmates in the prison industries to

let them communicate with people outside with Paytel being the carrier and the calls are all VOIP /SIP.

**Calling Application**

* The Calling Application enables users to save the contacts including few services and a keypad to call the outsiders using SIP where the Pay Tel is the carrier.
* Wrote the code using dependency services by importing methods from native libraries f, and to write the code for call Connect and Call Disconnect using SIP functionality.
* Used the images all in SVG format and by uploading the XML images into the Resource Drawable and installed Xamarin. Android. Support. Vector. Drawable 23.3.0 NuGet package.
* Used the Master Detail Page, and then integrated the APIs (Restful) designed from SwaggerUI.
* Wrote the UI using the Master detail Pages and few other layout-like grids, Entry and Editor
* Implemented extreme programming by using fast paced agile methodology, involving task completion, user stories and Iterations.
* Implemented MVVM architecture by manually creating View models separating the business logic and UI by linking the command parameters and Binding expressions to the view models to make the unit testing simple and Comfortable.
* Integrated the Azure App Service Mobile Apps SDK to integrate online/offline data synchronization, file storage, push notifications within in less time Frame and Time Complexity.
* Wrote the Picture Picker Implementation using Dependency Service to facilitate the user to upload the image from the Gallery.
* Consumed the Application with Web Services hosted on AZURE.
* Involved in Design, Development of APIS on .NET Core.
* Built the Web APIS using ASP.NET MVC / ASP.Net MVC Core Frameworks for this project.
* Worked with ADO.Net ,Entity frameworks and Databases.
* Implemented and wrote the code for Dual Tone Multi Frequency and associated it the Keypad.
* Worked on the Web on the parallel on the Front End using HTML5, TypeScript and Angular2.

**Messaging Application**

* This app assists the user to message and communicate to the people outside the Prison Industry.
* Integrated the Azure App Service Mobile Apps SDK to integrate online/offline data synchronization, file storage, push notifications within in less time Frame and Time Complexity.
* Created the Web API for Signal R which takes care of the messaging mechanism between two endpoints.
* Implemented the Signal R with a Request URL and wrote the code for hubs to send in the message to the other clients.
* Used the Master Detail pages and grids to accommodate the UI and other layouts.
* Used the custom renders to render the UI of profile Picture of the user which is Android Platform Specific.
* Designed the APIS and integrated it with the application to add, delete and update the Contact.
* Implemented extreme programming by using fast paced agile methodology, involving task completion, user stories and Iterations.
* Implemented the List view Item Template and Binded the API in the View Model, with the Tap Gesture Recognizers.
* Unit, integration, and automated testing. Environment: Visual Studio 2017, SwaggerUI, Microsoft Azure.

**CSAA INC. GROUP, PHOENIX, ARIZONA Jan ‘ 17 – May’18**

**INDUSTRY: INSURANCE**

**POSITION: Mobile DEVELOPER**

**Application Links:**

**• https://itunes.apple.com/us/app/aaa-mobile/id310730297?mt=8**

**• https://play.google.com/store/apps/details?id=com.aaa.android.discounts&hl=en**

**Project summary:** In this project, developed an application that has multiple features like an accident guide, taxi/rental car finder, roadside service, and the ability to locate an agent within the user’s location which is open to the public. The policyholders get the additional benefits as they can store a full-screen digital insurance ID cards with email and fax capabilities, pay their bills, view discounts and coverage, get new quotes when adding or removing a vehicle, view claims and reschedule claim appointments, view driver and vehicle information, update their contact information, and customize the app with one of their favorite characters.

In addition to mobile ,also worked and Contributed on their web application.

**Key Responsibilities:**

* Implemented extreme programming by using fast paced agile methodology, involving task completion, user stories and Iterations.
* Inserted Geolocation Plugins (Geography Based Datasets /NuGet Packages/Libraries) which are sort of Platform Specific for IOS and Android Platforms.
* Used Core Graphics and Core Animation in geometric Space for the UI coloring , styling and Animations UI on IOS Platforms.
* Wrote a few lines of the code to detect the longitude and Latitude of the user’s location even when the app goes into background.
* Developed applications for IOS and Android using Xamarin forms to share average code of 80-90% between the platforms.
* Enabled and Paired App Center, Firebase for the Push notification Services.
* Most of Application code has been written in XAML and C#.
* Re -written the whole app in Xamarin IOS and Xamarin Android as per the Client's Demand for better understanding of the UI.
* Used MVVM features such as data binding and views are written in XAML.
* Custom renderers are written for Entry picker button frame controls etc. and developed resource dictionaries for styles.
* Implemented Restful web services and to retrieve data from remote servers.
* Involved in the Integration testing for the application.
* Used Xamarin Insights for analytics and error handling.
* Implemented SQLite database with Xamarin forms to save necessary information into the device local database.
* Unit Testing.
* TFS as source control.
* Integrated hockey application to fix the crashes, user metrics, notifications, and feedback from the user.
* Worked on the Web UI of their internal Web Application .
* Developed single page applications using Angular 4/5 , TypeScript , HTML5, CSS3 and Bootstrap4.
* Created Typescript reusable components and services to consume RESTFUL APIS using component-based architecture provided by Angular 4/5.
* Used Webpack to bundle typescript and JavaScript modules.

**Environment:** C#, Android SDK, XAML, Xamarin Forms, Xamarin. IOS, Xamarin. Android, Visual studio 2015, JSON, MVVM, AZURE, SQLite, REST, SOAP, Angular, Typescript.

**DSIG, HYDERABAD. Jan‘2014 - Feb’ 2015**

**INDUSTRY: E-COMMERCE**

**POSITION: SOFTWARE DEVELOPER**

**Key Responsibilities:**

* Analysis of the specifications provided by the clients.
* Involved in requirement gathering, functional and technical specification.
* Used N-tier architecture for presentation layer, Business and Data Access Layers using C#.
* Coding and debugging using C#.
* Developed web forms using ASP.NET server controls and validated client side using JavaScript.
* Used ADO.NET objects such as Data Adapter, Data Reader, and Dataset for consistent data access.
* Writing Database routines, stored procedures and fixing up standard specifications.
* Used HTML, Ajax, jQuery, JavaScript, CSS, and various web controls to present data to users in a much comfortable environment.
* Identified, researched, investigated, analyzed, defined, and documented business processes.
* Developed and Tested Restful APIS .NET Core and implemented and integrated the Entity Framework for databases.
* HTML5/ JavaScript/ React/Redux/TypeScript/RxJs – develop reusable UI widgets.
* Involved in enhancing the business layer to provide more interfaces and functions needed for the system.