**Rajkumar Rangaraj**

**+1 469-436-3511**

**manikandan@selsoftinc.com**



**SUMMARY**

An ambitious and self-motivated .Net developer with 9+ years of technical skill who possesses self- discipline and ability to work with minimum of supervision. Able to play a key role in web application development to ensure high efficiency, accuracy and accessibility. A quick learner who can absorb new ideas and can communicate clearly and effectively.

**CORE COMPETENCIES**

C# ASP.NET, ADO.NET, MVC, Entity Framework, LINQ, Web Services, WCF, WEB API, Azure, Dapper, MS SQL, HTML 5, CSS3, JavaScript, JQuery, Ajax, AngularJS, Angular, SQL Server Agent, Windows Task Scheduler, JMETER, SOAP UI, IIS, SVN, TFS, Bit bucket, Jira.

**PROFESSIONAL EXPERIENCE**

# Full Stack .Net Developer

## Home Franchise Concepts ­ Irving, TX November 2017 – Dec 2023

**Project: Touchpoint**

An ERP/CRM application that powers the HFC brands (Budget Blinds, Tailored Living, and Concrete Craft). This application handles the HFC franchise business (Lead, Account, Opportunity, Quote, Order, Procurement, Shipment, Vendor management, etc..).

## Key Deliverables:

* Involved in requirement gathering from the business users and analyzing, determining the ways to address wide range of complex scenarios.
* Involved in identifying, evaluating, and developing effective procedures and systems requirements that meet business requirements.
* Developed Business Logic layer by implementing Object Oriented Programming Language (OOPs) features like Inheritance, Polymorphism, Abstraction and Encapsulation in C#.
* Designed SQL tables, triggers, indexes, Stored Procedure, Function.
* Involved in API Research (Google map autocomplete API, Zillow, Avalara, Smarty streets, FedEx Address validation) and Integrated Smarty streets API to auto complete the address for US region and Integrated Zillow API to get basic information of the lead property and Integrated FedEx API to validate the lead address.
* Developed Calendar module to handle franchise related appointments (Sales/Design, Installation, Follow up, etc..) and Using EWS (Microsoft Exchange Web Services) to sync the appointments to franchise users Outlook account and send appointment notification to the customer via email with iCalendar (.ics) attachment.
* Integrated SelectPDF package to create PDF document (Lead, Quote, Sales order, etc..) and Developed customer journey email templates.
* Integrated Active Directory Authentication, OAuth2 Authorization and implemented Refresh token to increase OAuth2 token expiration and Swagger Documentation.
* Created Roles and Permission modules to handle franchise user accessibility.
* Created Report module to use Kendo UI grid features (Grouping, aggregating, etc) and AngularJS.
* Integrated Twilio API for text communication and used Twilio web hook to handle Opt-in, Opt-out and used short codes for messaging.
* Integrate QuickBooks online API to sync Franchise data to QuickBooks and Upgrade QuickBooks OAuth1 to OAuth2 and solved tax related issues to Canada users.
* Fix and maintain bugs for improved functionality, performance and efficiency.
* Implemented dependency injection in all C# and Angular code.
* Improved non-functional attributes through refactoring without changing external behavior.
* Involved in Production issues troubleshooting, and quick data related issue fixing.
* Implemented Error Logging and Auditing for the web application.
* Perform code review for all internal deliverables and formulate best practices.

**Tools and languages**: Visual Studio 2015, 2019, SQL Server 2016, .Net Framework 4.6.1, MVC 5, Web API 2, Entity Framework, Dapper, AngularJS 1.6, Angular 10, SQL Server Agent, IIS 10, HTML5, CSS3, Bootstrap 3, SVN, Bit bucket, Jira.

* Followed agile development practices with daily stand-ups and regular product demoswith product stakeholders.

# Full Stack .Net Developer

## Freight Exchange Network ­ Chennai, TN January 2016 ­ October 2017

**Project: FreightTracer**

FreightTracer is the freight industry’s powerful Full-Truck Load GPS Management Tool. This application handles Real-Time FTL GPS Tracking, Automatic Actual Time in/Time Out, Delivery Route Tracing, Carrier Scoring System, Dashboard with Location Map, Real-Time Pick-up & Delivery Info, etc...

## Key Deliverables:

* Involved in requirement gathering from the business users and analyzing.
* Designed SQL tables, triggers, indexes, Stored Procedure, Function
* Designed Data Access Layer (DAL), Business Logic layer (BLL) and other components in MVC.
* Used Azure app service (Web role and worker role) to develop web application and background jobs.
* Used Entity Framework and LINQ to database connectivity to SQL Server database.
* Used Azure Blob storage for file storage.
* Used Azure Send grid API for Email communication.
* Integrated Twilio API for text communication.
* Used source version control tool TFS to manage the code repository.
* Developed WCF service to expose mobile app development.
* Utilized Google map features (Directions API, Distance Matrix API, Geocoding API, Time Zone API and Maps JavaScript API)
* Customized Google map JavaScript Marker and Info windows in Front end
* Worked on user input validations, exceptional handling and logging.
* Integrated Stripe payment gateway
* Perform basic integration and unit testing in dev and uat environment.

**Tools and languages**: Visual Studio 2013, Azure SQL Server 2012, .Net Framework 4.5, MVC 5, WCF, Entity Framework, JavaScript, JQuery, HTML5, CSS3, Bootstrap 3, TFS.

# .Net Developer

## Marsh McLennan ­ Chennai, TN June 2015 ­ December 2016

**Project: Marsh Marine Insurance**

The objective of this application is to handle prioritize exposures and determine how much risk in the balance sheet can comfortably retain. Using this application to identify risk management to the maritime industry.

## Key Deliverables:

* Understood the functional specification and design documents.
* Involved mainly in Coding, designing and developing presentation layer with Web forms using Asp.Net.
* Designed Data Access Layer (DAL), Business Logic layer (BLL) and other components in ASP.Net.
* Developed web forms using HTML controls and CSS Style sheets for the unique look for the page.
* Created Datasets, Data Tables, Data Views and Command objects to access the data from backend.
* Written SQL-Queries and developing various Stored Procedures, Functions to access data from SQL Server database.
* Used ADO.NET (Data Adapters, Data Sets) for database connectivity to SQL Server database.
* Worked on user input validations, exceptional handling and logging.
* Used source version control tool SVN to manage the code repository.
* Performed unit testing and deployments.

**Tools and languages:** Visual Studio 2013, SQL Server 2012, .Net Framework 4.5, ASP.NET, ADO.NET, JavaScript, jQuery, HTML5, CSS3, IIS, SVN.

# .Net Developer

## Foreclosure Listing Service ­ Chennai, TN May 2014 ­ June 2015

**Project: Pre­Foreclosure List**

This tool is a quick and convenient source for finding unbeatable deals on Real Estate. These tool for identifying and researching residential and commercial foreclosure Properties, REOs, and Distressed Properties for a low subscription fee.

## Key Deliverables:

* Understood the functional specification and design documents.
* Created SQL tables, Stored Procedure, Function.
* Worked on Data Access Layer (DAL), Business Logic layer (BLL) and other components in ASP.NET.
* Used ADO.NET (Data Adapters, Data Sets) for database connectivity to SQL Server database.
* Used RETS connector tool to download real estate data and the data can be refreshed

through background job run in windows task scheduler.

* Integrated LibRets package to download real estate photos.
* Integrated iTextSharp package to create PDF documents.
* Designed web forms using different ASP.NET Server controls.
* Used ASP.NET validations Controls and Java Script validation for client-side validations.
* Used JQuery Ajax callback function to refresh data in UI.
* Used jqWidgets Components in front end to improve user experience.
* Used source version control tool SVN to manage the code repository.
* Performed unit testing and deployments.

**Tools and languages:** Visual Studio 2013, SQL Server 2012, .Net Framework 4.5, ASP.NET, ADO.NET, Ajax, JavaScript, JQuery, HTML5, CSS3, IIS, SVN.

# Certifications

* Microsoft Certified: Azure Fundamentals (Certificate No: H945-7832)

# EDUCATION

* B.E Computer Science and Engineering (Anna University, Chennai, India) - 2014