**Samhitha**

Sr. .Net Developer

(214)-725-2639

Samhithakk65@gmail.com

**Professional Summary:**

* **Around 6 years** of IT experience in all phases of Software Development Life Cycle (**SDLC**) such as planning, analysis, design, implementation, testing and maintenance of Web Based, Client-Server and **N-tier Architecture** in domains like **Finance**, **Insurance**, **Healthcare** and **Telecom**.
* Expertise in developing application using .**NET 4.5/ 4.0/ 3.5/2.0, MVC 5/4**, **Razor View Engine, C#.Net, ASP.Net, LINQ, AJAX, XML, JavaScript, JQuery, JSON, HTML** and **CSS, Web Services** and **WCF, Web API.**
* Used new cutting-edge features of .Net technology with MVC based development, **JQuery**, **JQuery** UI including various **NuGet** Packages and **jQuery Plugins**.
* Experience working with **Angular JS**, **Bootstrap 3.0**, **Node JS**, **HTML5** for creating single page applications.
* Experience in building **RESTful** Services using **Web API**.
* Sound knowledge of **Multithreading and Caching using C#.Net**.
* Experienced in Service Oriented Architecture (**SOA**) using **Windows communication foundation** (**WCF**).
* Strong knowledge of front-end Single Page Application (SPA) development using open source framework **Angular**.
* Extensive knowledge in JavaScript, jQuery, client-side framework using Angular.
* Experience in data accessing using Data Adapter, Data Reader & Data Set in **ADO.NET** and **Language Integrated Query (LinQ), and LinQ to SQL & LinQ to XML.**
* Implemented **REST WebAPI** methods using token filter security mechanism to communicate with Web application.
* Experience in using **Language-Integrated Query**(**LINQ**) query and retrieve data from different data sources (**LINQ to Objects**, **LINQ to XML**, and **LINQ to SQL**).
* Having experience in **writing reports, Reporting Service (SSRS) and analytical services for the applications** (customize scrum reports) and proficiency in reports generation using **Crystal Reports**, **SSIS** and **SSRS.**
* Knowledge in Database Programming using **RDBMS** concepts in various RDBMS software like **SQL Server 2012/2008/2005, Oracle 11/10g.**
* Extensive working experience in designing using Object Oriented Programming Principles like **Encapsulation**, **Inheritance**, **Polymorphism**, **Abstraction** and Design patterns like **SOLID** principles, MVVM, **Abstract factory**, **Singleton**, **MVC**.
* Hands on experience in designing **tables, database schemas,** writing **Stored Procedures, Triggers, Functions, Views** and Normalization of Database Schema.
* Transaction Management using **T-SQL** and **PL/SQL** performance tuning in databases for **SQL Server 2012/2008/2005/2000.**
* Experience in using **ASP.NET AJAX** framework for quickly creating efficient and interactive Web applications that work across all popular browsers.
* Responsible for designing Presentation Tier (web pages) using the concepts such as **Master Pages**, **Themes**, **Skins**, **HTML**, **XML**, **CSS**, **Java Script**, **JQuery** and Worked with **ASP.NET Custom Controls**.
* Developed various Frontend / UI design component including layout design (MVC layout file) and View Forms with Razor, **HTML 5**, **CSS3**, Media Query and **Responsive Web Design** using Angular JS.
* Extensive working experience in unit testing frameworks like **N-UNIT, MS Unit Test**.
* Experience in working with iterative **Agile Programming Methodology, Waterfall methodology, Scrum.**
* Worked with Source Controls like **Team Foundation Server 2013/2010, Git Hub, Surround SCM** for creating branches, rebasing, merging and deploying code.

**Technical Skills:**

|  |  |
| --- | --- |
| **Programming Languages** | C#.Net ,VB.NET, C++, Core JAVA |
| **Web Technologies** | ASP.NET 4.5/4.0/3.5/3.0/2.0, ASP.NET MVC 5.0/4.0/3.0,Silverlight 4.0/3.0, Ajax,HTML, Javascript,Jquery,VB Script. |
| **XML Technologies** | XAML, XML,XSLT, XPATH, XSL, LINQ to XML |
| **.Net Frameworks** | .Net Framework 4.5/4.0/3.5/3.0/2.0/1.x |
| UI Technologies | Winforms,WPF, Jquery UI, Kendo UI |
| Test Frameworks | NUNIT, MBUNIT, MOQ Framework, NSubtitute |
| **IDE Tools** | Visual Studio 2015/2013/2012/2010/2008/2005, Sql Server Management Studio,Expression Blend(4.0/3.0/2.0) |
| **Databases** | MS SQL SERVER 2016/2014/2012/2008/2005/2000,MSAccess 2010/2007/2003,Oracle 10g/9i/8i |
| **Reporting tools** | Sql Server Reporting Services (SSRS 2008/2005), Crystal Reports (2010/9/8.5/8). |
| **Version Control Tools** | Visual SourceSafe, SubVersion, Team Foundation Server(TFS),Git, Surround SCM |
| **Application Servers** | IIS Express,Microsoft IIS(7.0/6.0/5.0/4.0),windows server 2008R2, windows server 2012 |
| **Middleware** | WCF,Web API, ADO.NET 4.0/3.5/3.0/2.0,MSMQ, Web Services,Enterprise Library 5.0/4.0/3.1 |
| **Modeling tools** | UML,MS Visio 2010/2007 |

**Education:** Bachelor of Technology at Jawaharlal Nehru Technological University, India.

Wright State University, Ohio, USA

**Professional Experience:**

**Client : Air Products and Chemicals, Inc, Allentown, PA**

**Duration : March 2018- present**

**Role : Sr. .Net Developer**

**Description:** Air products and chemicals, Inc is a world - leading Industrial Gases and supplier of liquefied natural gas process technology and equipment company. The company provides industrial gases and related equipment to dozens of Industries, including refining, chemicals, metals, electronics, manufacturing, and food and beverage. This application is development of PPM Portal which is an internal web application project which was initiated to replace previous Excel-based process. PPM Portal provides efficient and easier ways to record the chemicals and Industrial gases details.

**Responsibilities:**

* Worked as a main contributor for the Angular development of the project. Developing front-end component as well as the services API.
* Gathered requirements and conducted analysis activities to create use cases and functional requirements.
* Enabled server-side Cross-origin resource sharing (CORS) in Web API using **OWIN** middleware.
* Developed components using HTML5/CSS3, Angular, Bootstrap 4 and Angular Material.
* Created custom and reusable modules which were easy to test, with Angular Directives, controllers and Modules
* Created custom **Angular 5** derivatives for reusable component and custom pipe for formatting data.
* Used Routing modules to help the user navigate the pages with ease, with the help of providers as well as lazy loading.
* Implemented Angular Material to help the system achieve programmability on the front-end with the advantage of UI, the compatibility to different versions of angular was helpful.
* Implemented Angular Router to enable navigation from one view to the next as user performs application tasks.
* Created Angular interceptors to tap into HTTP request.
* Implemented front-end services communicate with backend services over the **HTTP** protocol by using Angular HttpClient module, using observable to async data.
* Created adaptable data store in Angular to load and store global data.
* Extensively worked on Repository pattern to build Web API with respect to Database operations (**CRUD**).
* Secured **Web API** with Oauth2 authentication and implement custom validation logic with Fluent Validation.
* Supported Operations team during the deployment and troubleshooting the production issues during deployment and on regular basis.
* Highly involved in Unit Testing. Ensure the application functionalities by using Jasmine and Karma.

**Environment:** C#, Angular 5, .Net Core, ASP.NET Framework 4.5, ASP.NET MVC 5.0, Razor Views, Visual Studio 2017, TFS, Angular, Web services, Jade, Adobe data analytics, REST, JSON, MS SQL 2012, HTML5, CSS3, Bootstrap, Fiddler, Git, Remedy, Trello.

**Client : Teletracking Technologies, Pittsburgh, PA**

**Duration : May 2017- Feb 2018**

**Role : Sr. .Net Developer**

**Description:** This application is used by 1300 hospitals across US and UK to manage moving patients and items (such as lab samples) from one location to another, bed cleaning jobs, patient placements and bed assignments. This application also gives nurses and unit staff members quick and comprehensive access to patient information. They easily can perform patient flow tasks and keep track of critical clinical patient information along with various tools for reporting and customizations.

**Responsibilities:**

* Implemented Angular Service calls using Angular Factory.
* Create controllers in **AngularJS** to communicate between services and view. Designed custom directives (elements, Attributes) for reusable components.
* Designed web pages using **HTML5** for Billing and self-service section and hooked up with Angular controllers.
* Integrated **RESTful API**’s with the front-end code and performed **GET/POST** operations to send/receive JSON data for account validation, service appointments, trouble ticket and service order information from the ESB (**TIBCO**) services and vice-versa. Tested Web API Components for JSON payloads using Fiddler, Postman.
* Hands on experience in using Node Package Manage (**NPM**) as package manager for JavaScript, GULP for task runner, which handles template cache and code minification and Bower for installing frontend dependencies.
* Heavily involved in designing pages using cross-browser compliant using Bootstrap CSS and JavaScript.
* Developed Custom Angular Directives for the views.
* Used **angular interceptor** to intercept 4xx and 5xx HTTP responses. This interceptor is responsible for intercepting error responses and for handling them through an exception service.
* Worked on creating the model and the data store generated from the classes by using code first migrations feature of the **Entity Framework**.
* LINQ was extensively used in view extension to parse out unnecessary information and to make database calls.
* Integrated **StyleCop 4.7** rules into **ReSharper** to define guidelines to enforce consistent style and formatting.
* Participated in the implementation of a Factory, Unit of Work and repository interface-based classes to make the code more efficient, maintainable and readable.
* Leveraged various Angular Services & injected them into **Angular Controllers** (using **Dependency Injection**) to enable AJAX calls and created custom angular directives to create own HTML tags and induce functional behavior to those tags.
* Implemented Adobe analytics DTM function within JavaScript events and functions.

**Environment:** C#, ASP.NET Framework 4.5, ASP.NET MVC 5.0, Razor Views, Visual Studio 2017, TFS, Angular, Web services, Jade, Adobe data analytics, REST, JSON, MS SQL 2012, HTML5, CSS3, Bootstrap, Fiddler, Git, Remedy, Trello

**Client : XO Communications, Plano TX**

**Duration : Jan 2016 to April 2017**

**Role : Sr. .Net Developer**

**Description:** XO Communications is a telecommunication. It provides managed and converged Internet Protocol (IP) network services for small and medium-sized enterprises. XO delivers services through a mix of fiber-based Ethernet and Ethernet over Copper (EoC). This Project is intended to serve the customers to test the Devices, bridges and operate commands on devices remotely, this is designed as Single Page Application in Angular which consumes Web API Restful services developed using C#.NET.

**Responsibilities:**

* Involved in designing the service authentication using Microsoft **OWIN** and provided authentication and authorization for **REST** Services.
* Developed **RESTful** services using web **API** and **C#.NET** as backend Programming language.
* Used **ASP.NET MVC 5** Route Attributes for routing the controllers and its action methods.
* Created database component classes to access the data using **LINQ to SQL**.
* Developed test cases using **NSubstitute** mocking framework and created substitute for .Net mocking libraries.
* Implemented Service Oriented Architecture (**SOA**) and Web **API** to expose business logic as services and consumed those services from client applications.
* Worked on **RESTful** services that include endpoints for both traditional Web services, with **JSON** payloads, and UI services, returning HTML and JavaScript supporting page and component rendering. Web pages and components typically use client-side script to invoke **SMART** Online API services.
* Implemented Entity Framework for Data Access Layer for **ASP.NET MVC 5**.
* Involved in retrieving data using **LINQ to SQL** and **LINQ to Objects** with ASP.NET.
* Client-Side validations using **AngularJS** Dirty Checking built in directives like **ng-required**, **ng-valid** etc.
* Created proof of concept for implementing views in **AngularJS**.
* Developed **AngularJS** factories for the services and consumed the services in the controllers.
* Implemented dependency injection using unity framework.
* Consumed **AngularJS** built in directives to bind the data, filter, customization.
* Developed custom directives and consumed those in controllers for validating user controls and custom validations.
* Developed asynchronous services using **$q** in controllers for the application.
* Used route provider for routing the controllers with Templates in single Page Application.
* Unit tested Web API Components using **Fiddler**, **Postman**.
* Used **Bootstrap** grid system for responsive design of web pages.

**Environment:** C#, ASP.Net, Visual Studio 2015, SQL Server 2013, Windows Azure, JSON, Entity Framework, IIS 7.0/7.5, Web APIs, MVC, Microsoft Service Bus, HTML5, CSS3, Git Hub, REST, NUnit, Resharper, Angular JS.

**Client :** **University of Texas – Southwestern, Texas**

**Duration : September 2014 – Dec 2015**

**Role : Sr. .Net Developer**

**Description:** The University of Texas began as a collection of research stations. Founded at the dawn of the Information Age and steeped in science and technology, the University has been more intent on creating the future than on preserving its history. The nature of the project is to support the operations of staff to maintain the administrative, financial, medical center, library etc. This project was designed in ASP.NET MVC and used Entity Framework for data access support and it targets responsive design with its rich support of bootstrap CSS.

**Responsibilities:**

* Analyzed the requirements, Design and Developed Web Application using **.Net Frame Work 4.5.**
* Involved in detailed design of the application using MVC architecture, involved in the creation of use case, sequence diagrams and class hierarchies.
* Developed **ASP.NET MVC 4** applications using Code First Approach in **Entity Framework 4.0** and UI in **Razor** View Engine.
* Developed the Reusable UI Components like Master Page Layouts, **Razor Views (CSHTML), Partial Views (User controls) for** **User Interfaces** using **ASP.NET MVC5 and C#.NET** as backend programming language,
* Designed User Interface System using **HTML5, CSS3 a**nd **Bootstrap.**
* Responsible for designing the **ASP.NET** application authentication using **.NET Framework**, with **IIS security model**.
* Designed and implemented **Service Oriented Architecture (SOA**) suitable for **secure, reliable, and high-performance** Services for the Web Application.
* Created and consumed **Web APIs** Services Methods to access data from the database and from the external systems.
* Used **HTML** encoding techniques for input controls in **MVC** for **CSRF (Cross-Site Request Forgery).**
* Developed **LINQ** Data context object with **ADO.NET** Entity Framework for **LINQ,** invoked **Data base** tables and Implemented **LINQ** Lambda Expressions to query Data Context Objects.
* Followed Test Driven Development (**TDD**) Approach using **MOQ** Framework for writing test cases.
* Involved in **Agile methodology** for increment iterative process and passing through a full software development cycle.
* Implemented Proxy design pattern for handling the request coming from the client application in **WCF Services**.
* Implemented Routing using Route Attributes for the Controller using **ASP.NET MVC5**.
* Created Custom Action Filters for Error Handling and capture the Requests and Responses for the **Web** **API** Services.
* Created Model classes, Entity classes and applied Data Annotations for validating the objects.
* Implemented Security Authentication for the **Web APIs** using **OAuth 2.0.**
* Implemented Unit Testing, Integration Testing, and System testing using **NUnit**.
* Have experience with **Team Foundation Server (TFS)** to maintain the version control history during development.

**Environment:** ASP.NET 4.0, C# .NET, CSHTML, HTML5, CSS3, MVC, SQL, Visual Studio 2012, T-SQL, JSON, Bootstrap, OAuth 2.0, LINQ, SQL Server 2012, ADO.NET, Entity framework, UNIX, Log4Net, NUnit.

**Client :** **Apollo Pharmacy, India**

**Duration : June 2013 – July 2014**

**Role : .Net Developer**

**Description:** The appointment, scheduling, billing, and storage system is integrated with Apollo’s EHR system. The schedule-management feature administers multiple providers' schedules across several office locations, blocks off hours, sets rules for recurring appointments, and creates schedule templates. The system allows the staff to check the next day's schedule for patient insurance eligibility. The medical billing management feature submits claims electronically, interfaces with clearinghouses, utilizes claims-rules engines, tracks the status of claims, and determines what and when services will be paid.

**Responsibilities:**

* Designed and developed n-tier architecture framework to leverage the total development process
* Designed and implemented application using **.NET** Framework **3.0.**
* Implemented Web Services and application security using **.NET**
* Customized Menu, Label, Toolbar, Grid View Columns Using Custom Controls
* Worked in Serialization and De- Serialization of **XML** to transmit the data
* Worked extensively on **web forms** and data binding controls like Grid View, Data List and drop down and Mapping page fields to the database fields.
* Worked ion **MVVM** Model to make two-way data binding in **WPF.**
* Involved in developing rich user Interface and Animations for **WPF** Applications using **XAML**.
* Writing Queries using **T-SQL** statements, views, user defined functions, stored procedures, Triggers for **SQL** Server to insert/ update/ delete data into relational objects.
* Involved in developing class library using **C#.Net** for **3-tier architecture**.
* Used **ADO.NET** such as Data set, Data Adapter, Data Reader to hold data which is coming from data access layer.
* Created business object and data access classes using **C#.Net**, **ADO.NET** built-in libraries.

**Environment:** ASP.NET, ADO.NET, SQL Server 2005, UML in MS Visio, HTML, WPF, XAML, TFS, CSS and Visual Studio .NET 2010.