**Sai Tharun Ganapaneni**

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**Professional Experience:**

* 8+ years of IT experience in all phases of **SDLC** (Software Development Life Cycle) such as planning, analysis, design, implementation, testing and maintenance of Web Based, Client-Server and N-tier Architectures.
* Experienced in a fast-paced Agile Development Environment including Scrum Programming and Test-Driven Development. And Object-Oriented methodologies such as **Agile**, **V Model** and Waterfall.
* Expert in Object Oriented analysis and design (OOAD), Service Oriented Architecture (SOA) and **Model-View-Controller Architectures (MVC**
* Extensive experience of designing and developing software applications with the **C#** (6.0/5.0/4.0/3.0), **.NET Framework** (4.5/4.0/3.5/3.0/2.0/1.0), **.NET Core**, **ASP.NET Web Forms**, **ASP.NET MVC** (5.0/4.0/3.0/2.0), **ADO.NET**, **Entity Framework** (6.0/5.0/4.0/3.0/2.0), **LINQ, Ajax, Service Oriented Architecture [SOA] using Windows communication Foundation (WCF), WPF, MVVM, Web Services**, **SOAP**, **Restful Services**, **HTML5/4, CSS, JavaScript, Angular JS**, **JQuery 2.0/1.0**, **WCF**, **Web API**.
* Experience working with Microsoft Azure Cloud based IAAS, PAAS and SAAS
* Proficient knowledge in .NET languages **C#, Asp.NET(Web Forms and MVC), VB.NET and Win Forms, WPF.**
* Worked on **MVC 5** Framework.
* Expertise in **ASP.NET MVC** 5.0/4.0/3.0 and created Views, Partial Views, Strongly Typed Views, Sections, Areas with the help of Controller Actions, Filters and Routing.
* Experience with **ORM** and its related components: Entity Framework, Language-Integrated Query (LINQ) query and retrieve data from different data sources (LINQ to Objects, LINQ to XML, and LINQ to SQL), **ASP.NET** Providers and Typed Datasets.
* In-depth experience developing applications using AJAX, and WPF.
* Designed and developed WebAPI’s for **Microservices**.
* Experience in functionality with Entity Framework design approach using Code First and Database First in ASP.NET MVC 5.0/4.0/3.0 and UI in **Razor View Engine** and client-side framework Angular JS, HTML5.
* Designed and developed **Microservices** for the business components using .NET Framework.
* Extensive experience in designing web-based pages using HTML**5.0/4.0, CSS 3/2,** JavaScript, Angular JS, **XML, JSON, AJAX, JQuery**.
* Extensively used HTML5, **ANGULAR JS** and **JQUERY** for creating Single Page Applications (SPA).
* Proficient in creating and consuming **WCF Services** and also implementing features like Security, Debugging and Performance.
* Command in C, Object Oriented Concepts (**OOP**s) using **C#.**
* Experience in developing **Microservices** using **ASP.NET** core.
* Microsoft auto reply bot development, Bot Api’s with data processing.
* IBM cloud bot for send response to the user questions.
* Extensive experience in developing **WCF Services** and expose useful functionalities through WSDL and registering them by UDDI for easy availability to potential users and consuming it by a proxy class.
* Experience in using Web API (Restful services) to fetch data and bind it to UI using Angular.JS as a View Model.
* Leveraged the introduction of Web API Controllers (**Web API 2)** in **ASP.NET MVC 5** to build, maintain Restful API’s and consume the API’s client side using Angular JS data binding.
* Expertise in Implementing **LINQ Query** Expressions for standard query operators that allow traversal, filter, and projection etc.
* Involved in generating Custom Reports and different types of Tabular, Matrix and distributed reports in multiple formats using Crystal Reports and **SQL Server Reporting Services** (SSRS).
* Knowledge and experience designing and implementing software using common software design patterns (e.g., the Factory, Singleton, Adapter, Decorator, Visitor, and Strategy patterns).
* Hands on experience in Database design (**RDBMS**), programming, implementation and development using **MS SQL Server** 2012/2008/2005.
* Extensive working experience in unit testing framework – **MS Unit Tests**.

**Technical Skills:**

* **Operating Systems:** MS Windows 2013, 2008 R2/2008, 2003, Windows NT 4.0, XP, Windows 7, 10.
* **Programming Languages:** C#.Net (6.0/5.0/4.0/3.5/3.0), T-SQL, PL/SQL, LINQ, UML, XML.
* **.Net Technologies:** ASP.NET 4.5/4.0/3.5/3.0/2.0, ASP.NET Web Forms, Web-Service, Win Forms, Microsoft .NET Entity Framework 6.0/5.0/4.0/3.0/2.0, ADO.NET, ASP.NET MVC 5.0/4.0/3.0, VB.NET, WPF, WCF Service, WCF, Web API.
* **Web Technologies:** ASP.NET, HTML/DHTML, CSS, XML, JSON, JavaScript, JQuery, ASP.Net Ajax 3.0/2.0, Angular JS, Foundation Framework.
* **RDBMS:** MS SQL Server 2014/2012/2008/2005, MS Access 2010/2007.
* **IDE Tools:** Visual Studio 2017/2015/2013/2010/2008, SQL Server Management Studio, SQL Server Integration Services.
* **Reporting Tool:** SQL Server Reporting Services (SSRS 2008/2005), Crystal Reports (2010/9/8.5/8), RDLC.
* **Modeling Tools:** UML, MS Visio 2010/2007
* **Middleware :** WCF, ADO.NET 4.0/3.5/3.0/2.0, Web Services.
* **Servers:** Windows Server 2012/2008/2003, Microsoft IIS (7.0/6.0/5.0/4.0)
* **Other Utilities:** Resharper (5.1.3), NuGet packages.

**Professional Experience:**

**KeyBank, Cleveland, OH Dec 2021 – Till Date**

**Role: Senior .Net Developer**

**Responsibilities:**

* Development application using C#, and jQuery.
* Dynamically set and retrieve JSON objects in an **ASP.NET SPA** using the AngularJS MVC (model-view-controller) architecture and SOA based development
* Design and development of business components using **ASP.Net MVC 5** for Web application.
* Using SOAP api’s and controlling the structure changes among the aspx pages.
* Construction of ASP.NET Web API 2 RESTful Services using GET, POST verbs to consume it from AngularJS services for Single Page App.
* Used the Object Oriented Programming (**OOP**) techniques and created classes (in **C# .NET**) for database access.
* The application is been developed using **ASP.NET MVC 5** and **WCF**.
* Existing applications Deployed to Azure in tfs united servers.
* Designed and developed various abstract classes, interfaces, classes to construct the business logic using **C# .NET and VB.NET.**
* Updating the framework from dot net 2.0 to 3.5 version.
* Fixing the Veracode reported by Veracode code.
* Used **Visual Studio 2017**, **MVC 5** and **Razo**r view to build the project.
* Designed and developed various abstract classes, Interfaces, classes to construct the business logic using **C#** with **OOPs** implementation.
* Mostly working with the enhancements of business and strongly communicating with the client to gather and update the requirements.
* Using Azure functions and azure devops maintained the application development.
* Using Azure devops build pipeline with tfs integration deployed the code base.
* Involved in development of **presentation logic** for GUI of ASP.NET pages.

**BrownGreer PLC, Richmond, VA Jun 2020 – Nov 2021**

**Role: Senior .Net Developer**

**Responsibilities:**

* Migrated the windows application to web based application using .net core and angular 8, 10 as UI.
* Responsible for Design & development of MVC 5 application with application using C#, WCF, jQuery.
* Development of the web-based application in agile scrum methodology.
* Design of MS SQL Server database tables, views, and development of SQL stored procedures (SPs), transaction logic, SQL queries.
* Created User Controls, Custom controls, Data Access Layer, Business Logic Layer Classes using C# and .Net 4.5 for web pages.
* Developed BOT application to simplify users’ search experience against internal tools.
* Good experience in developing Bot Apps using Bot Framework.
* Construction of ASP.NET Web API 2 RESTful Services using GET, POST verbs to consume it from AngularJS services for Single Page App.
* Used Microsoft bot to enhance the interaction with the client and make sure they travel in right way in using the features.
* Existing applications were Deployed to Azure after every enhancement
* Developed Tabbed pages using AngularJS directives.
* Created the Controllers and Controller Actions, Filters, Routing using ASP.NET MVC.
* Working closely with Business, Technical and QA teams to meet project requirements.
* Involved in Code review and unit test of the application.
* Developed Test Cases to test Web Services and **RESTFUL calls** using **SOAP UI** tool.
* Created WEB API REST services and consumed using JQuery UI client application.
* Validated Web Services and RESTFUL calls by comparing the data with **Database** and **User Stories**.
* Dynamically set and retrieve JSON objects in an **ASP.NET SPA** using the AngularJS MVC (model-view-controller) architecture and SOA based development.
* Performed Angular JS Form Validation and Angular JS Form properties with ng-show and created a custom validation directive for comparing two input values.
* Made element GUIs utilizing ASP.NET Web Forms and **Data-Bound Web Forms**.
* Used ADO.NET objects such as **Data Adapter**, Data Reader, Dataset and Data List for reading/updating records in the database.
* Maintained the windows based .net application to migrate to latest web module based appliacation.
* Configure **Azure cloud service** for end point deployment.
* Involved in development of **presentation logic** for GUI of ASP.NET pages.
* Used some third-party controls to work on Angular JS with HTML5, CSS3, and Bootstrap.
* Involved in moving the information from **SOA** to **REST**ful services using ASP.NET Web API. Utilized input types like Tel, Search, email, etc. from HTML5.

**Environment:** Visual Studio 2015, ASP.Net MVC 5.0, C#, Angular JS, RESTful, WCF, Entity Framework, Unity Framework, MS SQL Server, PL/SQL, JQuery.

**Johnson & Johnson, New Brunswick, NJ Dec 2018 – May 2020**

**Role: Senior .Net Developer**

**Responsibilities:**

* Experience in all phase of **SDLC** like Requirement Analysis, Implementation and Maintenance, and extensive experience with **Agile** and **SCRUM**.
* Developed a Graphical User Interface (**GUI**) for a server-side & client-side web application with **ASP.NET, MVC**, **HTML5, CSS3, Bootstrap, JavaScript, JQuery, Angular JS** and **REST** Full Web Service in Visual Studio 2015.
* Implemented **Agile** / **Scrum** methodology for the business modeling.
* Developed using **n-tier** architecture Presentation layer, Business logic layer (**BAL** mid-tier) and **DAL** (Data access layer).
* Effectively used **ASP .NET MVC** features like View Bag to pass data from Controller into the view, create multiple views/partial views, layout views and incorporated them into the **ASP.NET MVC** application.
* Implemented Client-side validation using **Angular Js** custom form validation with **ng-show**, **ng-if** and **ng-hide**.
* Implement functionality such as **Searching**, **Filtering**, **Sorting** and **Validating** data using **AngularJS** framework.
* Completed the **WebAPI** framework to implement **HTTPservices**, generally sending and receiving **JSON** formatted data through a **RESTfulAPI**.
* Hosted web applications on Azure Web Sites
* Migrated databases from SQL Server to Azure SQL Server
* Developing windows application using C#.Net, WPF, Visual Studio 2013 and SQL Server 2012.
* Designing WPF Forms, Custom Controls and User Controls using XAML language for interactive UI
* Decent experience in **AngularJS** concepts like Dependency Injection, Promises, Services, Scopes, Controllers and Directives.
* Developed front end validation in **AngularJS** using combination of **HTML** validator and ngRequired, checking them with $invalid, $valid, $touched, $untouched, $dirty.
* Designed a Web application using **Web API** with **AngularJS**, leveraged **Entity framework** (EF)**.**
* Utilized **Entity framework** extensively for data retrieving, querying, storage and manipulation using **LINQ**.
* Made use of several **.NET AJAX** controls to render the content dynamically on Webpages which are developed using **C#**.
* Made use of **JavaScript/JQuery** to perform client-side validations and catch the events on client's browser.
* Extensively used **Asynchronous JavaScript Calls (AJAX)** to do data processing and loading the data from the database without doing the post back.
* Hands on experience in using **ADO.NET** objects such as Command Object, Connection Object, Data Adapter Object, Data Reader Object and Dataset Object to access databases.
* Designed and developed various SQL Server **Stored Procedures**, **Built-In Functions, User defined Functions, ViewsandTriggers** for all the application’s DML **(Data Manipulation Language)** functionality.
* Created new methods to store and retrieve data from **SQL** Server using **Entity Framework** and **LINQ** queries.
* Developed WebPages using **Razor View Engine** and **MVC**.
* Used **AJAX** to fetch data from controllers to update user data asynchronously.
* Developed Web services/Rest Services for building applications that send and receive messages over HTTP.
* Worked with **Web Services, State Management**, caching features, securing the **web application** and configuring optimizations**.**
* Wrote **test cases** and implemented **unit testing** to test new features and did **unit testing** as well as **integration testing**.
* Assisting business with the bot defined with Microsoft bot, Configuring the data to the automated bots for replying.

**Environment:** NET Framework 4.5, ASP.Net MVC 4.0, Entity Framework, Visual Studio 2015/2013, C#, ADO.Net, XML, JSON, HTML 5, CSS, JQuery, WPF, JavaScript, AJAX, AngularJs, Crystal Reports, Razor view Engine, SQLSERVER 2012, IIS 7.0, SQL server profiler.

**Mphasis, Bengaluru, India May 2015 –Oct 2018 Dot Net Developer**

**Responsibilities:**

* Involved in design and development of Presentation Layer, Business Layer and Data Access Layer for major applications like Batch Import, Shipment Consolidation Module, planning and receiving.
* Developed Web Application using **HTML**, C#, **ASP**.**NET**, **MVC**, **JavaScript**, **XML** and Visual Studio.Net 2013.
* Designed Front end with **HTML, CSS** in object-oriented JavaScript library like **Angular JS**.
* Used Visual Studio for developing the **ASP.NET** pages and C# Classes and data access layers required for the applications.
* Used **AGILE** methodologies for the project.
* Used **JavaScript** for creating pop up pages from asp.net pages and client-side validations like zip code validation, email validation and pop-up alert messages.
* Worked with ASP.NET **AJAX** Controls for building Asynchronous Web Pages.
* Developed and consumed **WCF Web Services** to access data layer components.
* Worked on building the Production, Development, Test, and Stage Servers for Application Deployment.
* Extensively used **LINQ** to communicate with the database and also for querying, retrieving and manipulating data.
* Client-side validations with **JQuery** and Server-side validations with ASP.NET validation controls.
* Created **tables**, **stored procedures**, **triggers** and **views** in SQL Server management Studio.
* Developed business functions using **Web Services** like creating some web methods for getting data from the database and used these web methods in **C#** classes.
* Utilized **ADO**.**NET** technology extensively for data retrieving, querying, storage and manipulation.
* Deployed the code in **IIS**.

**Environment:** Visual Studio 2013, .NET Framework 4.5/4.0, C#, ASP.NET, ADO.NET, MVC 4.0, XML, SQL Server 2012, AJAX, JQuery, Web Services, WCF, WPF, PL/SQL, HTML5, CSS, JavaScript, Angular JS, Bootstrap, LINQ.

**NIIT Technologies, Bengaluru, India May 2014 – Apr 2015**

**Dot Net Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle (**SDLC**) including **Analysis, Design, Implementation, Testing and Maintenance**.
* Implementation of **3-Tier** architecture, facing key challenges on Business and Database layers.
* Involved in developing the Front-End of the application using the Asp.Net framework 4.0 and **HTML, CSS, JavaScript, jQuery**.
* Implemented **Get, Post, Put, delete** by using Controller actions and Caching by using **Action Filters** and **Child actions in Controller** and return **Razor HTML** to View through **Action Results**.
* Efficient knowledge on **Software requirements management, UML.**
* Involved developing the Data Access Layer using the **EntityFramework** Code first approach and generate the **C#** code for **Store Procedure**.
* Used **JavaScript** and **.NET Validation Controls** for performing client-side validations.
* Used **JQuery** because it is a lightweight **JavaScrip**t library that provides interaction between **HTML and Java Script**.
* Developed programming scenarios in **C#**, object-oriented Programming (**OOP**) concepts **like encapsulation, inheritance, polymorphism, and abstraction**.
* Worked on SQL Server 2010 database design and development in writing **SQL Queries, Joins, Stored Procedures, Indexes, Triggers, and Views**.
* Worked on **RESTFUL** Service **API** using WCF 4.0 which returns **XML** and **JSON** data using **WCF** attributes.
* Used **Entity Framework** for **ORM** mapping to relational databases, classes to database tables and CLR data types to **SQL server** data types.
* Created Data Access Layers &Business Logic Layer to implement **the MVC architecture.**
* Created **Functions, Stored Procedures, Triggers** **and Views** in **MS-SQL** database using **T-SQL**for maintaining and regulating the complex data.
* Developed **Master pages** for consistent look and feel of the application and embedded header and footers in it.

**Environment:** .NET Framework 3.5, ASP.NET MVC 3.0, C#, SQL Server 2008, Visual Studio 2010, WCF, Entity Framework, ADO.Net, HTML, CSS3, JQuery, XML, JavaScript, TFS, IIS.

**Education:**

* Bachelors in Computers Science Engineering from JNTU Kakinada, India in 2014.