**Venkata**

Software Developer | 732-333-8815 | venkatartrp322@gmail.com

**Professional Summary:**

* 8+ Years of exposure in IT Development and support with **AGILE SCRUM Methodology, SPRINT** and **Waterfall** in all phases of **Software Development Life Cycle (SDLC)** such as planning, analysis, design, implementation, testing and maintenance of Web and Windows Based applications with **N-Tier** Architectures in domains like Insurance, Health care, IT.
* Extensive experience in implementing the **SOA** communication between multiple protocols using **WCF SOAP** services with Service Contracts, Data Contracts, Operation Contracts, Message Contracts Instance Modes and Security of the services.
* Experience on **Web API** to create, Consume, exception handling and testing the **HTTP RESTful** services to communicate with UI using **JSON**.
* Expertise in creating **Views, Partial Views, Strongly Typed Views, Layouts, Sections, and Areas** etc... In **ASP.NET MVC**.
* Superior proficiency in implementing **Controllers, Directives, Components, Filters, Validations, factory and Service resources, Routings, and Events** in **Angular 10/7/5/4/2/JS**.
* Implemented **Web API**, **Micro services** using **.NET Core 2/3** using C# with Dependency Injection and Web API controllers and methods, handled logging and error handling using **Log4Net**
* Extensive working knowledge in **ASP.NET Web Forms, Master Page, User Controls, AJAX Extensions** and **HTML5** features.
* Excellent experience in developing the **Data Access Layer for CRUD** operations and to interact with Databases using **ADO.NET** and **ADO.NET Entity Framework** Database First/Code First Approaches, **LINQ to Entities**.
* Significant experience in the Database design, tuning and development of **Stored Procedures, Sub Queries, Joins, Triggers, Indexes, Views, and Functions using SQL Server 2014/2012/2008,Oracle11g/10g/9i.**
* Extensive experience with Reporting Tools in implementing various types of reports with customizations and tuning with better design and much information in different layouts using **SQL Server Reporting Services (SSRS), Crystal Reports.**
* Good Experience in creating Cache Memory on **Windows Azure PAAS** to improve the performance of data transfer between **SQL Azure PAAS** and **WCF services**.
* Experienced in Configuration Management, build schedule using **Team Foundation Server 2010/2008**and various version control tools like **GIT, Jenkins1.8**.

**EDUCATION:**

Bachelor’s in computer sciences from JNTU, India.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C++, C#.Net(4.7/4.5/3.5/3.0) ,VB.NET(10.0/9.0/8.0),.NET CORE 1.0/2.0, HTML, T-SQL, PL/SQL |
| **Web Technologies** | ASP.NET 4.7/4.5/3.5/3.0/2.0, ASP.Net Ajax 3.0/2.0, AngularJS 7.0/4.0/5.0/2.0, JavaScript, JQuery, VB Script. |
| **Xml Technologies** | XAML, XML, XDOCUMENT, XSLT, XPATH, XSL |
| **IDE Tools** | Visual Studio 2017/2015/2013, SQL Server Management Studio, Expression Blend(4.0/3.0/2.0) |
| **.Net Frameworks** | .Net Framework 4.7/4.0/3.5/3.0/2.0  |
| **Databases** | MS SQL SERVER 2017/2015/2012/2008, MS Access 2010/2007/2003, Oracle 10g/11g/9i/8i. |
| **Reporting Tool** | SQL Server Reporting Services (SSRS 2012/2008), Crystal Reports (2010/9/8.5/8). |
| **Modeling Tools** | UML, MS Visio 2010/2007 |
| **Cloud** | Azure |
| **Version Control Tools** | Visual SourceSafe(2005), SubVersion, Team Foundation Server |
| **Middleware** | WCF, ADO.NET 4.0/3.5/3.0/2.0, MSMQ, Web Services, Enterprise Library 5.0/4.0/3.1 |
| **Servers** | Windows Server 2008/2003/NT, Microsoft IIS(7.0/6.0/5.0/4.0) |

**EXPERIENCE:**

***Client: Progressive Insurance –Mayfield, OH        June 2019 - Present***

***Web Applications Developer***

***Project: Apple/Google/PayPal, Google Assistant, Quoting Innovative Incubator***

*New payment options Apple/Google and PayPal are added to the quoting application in coordination with external vendor Braintree. Google assistant is also a new feature where users can start a quote using google assistant where the responses will come in Flo’s voice either from permanent or temporary storage which is the repository of MP3 files and these are some common responses from LUIS (Language Understanding) and QnA Maker.*

*Quoting Innovative Incubator is a rewrite of an existing quoting application to have template and incubator code hosted in the cloud where template code API’s can be called by external vendors and incubator code is production ready code as part of QII pilot.*

**Responsibilities:**

* Used **AGILE SCRUM development Methodology** to ensure teamwork, collaboration, and process adaptability throughout the life cycle of the project.
* Work with UX teams on design and mockups prior to development
* Involved in converting **Angular JS** application to Angular latest version in phases currently with **Angular 10** and built Angular components, UI services to consume rest services using Component based architecture.
* Create Angular service and integration with **RESTful APIs**. Use Angular HTTP Client to send GET/POST requests to fetch data from the server.
* Create and reuse consumable templates and layouts using **CSS3, HTML5** for responsive design and write core directives for common inputs and layouts that can be reused.
* Used XML intensively to bind the data to the web controls, data manipulation and to store data.
* Developed **.NET Core Web API** and **dependency injection** based on requirements for Google Assistant project.
* Deployed QII web application to **Microsoft Azure** on cloud.
* Experience in Azure for system deploying (QII Application), Operating, network and storage in Microsoft Azure environment using Microsoft technologies.
* Handling resource groups and connecting to bot framework in azure portal to initialize virtual bot framework.
* Strong expertise on **DevOps** concepts like Continuous Integration (CI), Continuous delivery (CD) and Infrastructure as Code (IaaS), Cloud Computing etc.
* Using **Splunk** to detect errors and noisy data and fix them to improve quality and performance.
* Experience in working with **Git** for QII Project with develop and feature based branching strategy for the application hosting in **AWS**.
* Involve in deployment using **SCM** to build and elevate the code into different environments.
* Implement **OAUTH** authentication for the **WebAPI** application with **.NET Core and performed CRUD operations** using **HTTP Verbs** and **attributes**.
* Created and scheduled nightly batch jobs on **SQL Server 2012** to execute the **SSIS** packages and refresh the reporting data from the data sources.
* Experience with container networking on **Docker** and deployment technologies.
* Developed data access layer using **Entity Framework core** and written **LINQ** queries, CRUD functionality with Entity Framework Code First approach.
* Worked on cloud computing using **Windows Azure** and **MY SQL Server**. Used **azure windows service bus** as a message broker.
* Experience in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, **Azure Monitoring, Key Vault and SQL Azure**.
* Responsible for writing **automation scripts** as part of development story card and monitor nightly run **automated batch processing** every morning.
* Experienced in writing test-cases to analyze the defects, perform root cause analysis, and refactor the code to improve code design for better quality of build.
* Written Queries using **T-SQL Statements, Views, User Defined Functions, Stored Procedures, Triggers** in **SQL Server 2014** for inserting/Updating/Deleting the data into the relational tables.
* Used **Team Foundation Server (TFS)** for version control, code review and for automatic builds and **Continuous Integration (CICD).**

**Environment: Visual Studio 2015/2017, C#, ASP.NET 4.5/4.7, Angular 10/7/Js, TFS, WCF SOAP/REST, JSON, Web API, AJAX, LINQ,XML, NUNIT, SQL Server 2012 / 2014, Entity Framework,Team city, MVC, Bit bucket, Deploy ops, Azure, ALM, JIRA, Servicenow, SPLUNK, Windows services, REST API, Sharepoint, CSS, HTML.**

***Client: Jewelers Mutual Insurance – Neenah, WI                 Jan 2017 to May 2019***

***Web Applications Developer***

***Project: Save and Retrieve (SnR)***

**Description**: Save and Retrieve is an additional feature for already existing Quote and App application which will allow their customer to save their application at any point of time in the application, Update to database and retrieve them back through the link from email or link from website. We will retrieve only the partially saved application and ignore submitted and populate all the data from the database. We will update contact information (First name, Last name and Email Address) to HubSpot each time the customer saves the application.

**Responsibilities:**

* Implemented **Partial views (user controls), Layouts (Master Pages), Strongly Typed Views and Complex Views.**
* Developed module which deals with validating the different fields through the save and retrieve process.
* Taking advantage of the MVC pattern of the **Knockouts** framework to accomplish the single page application and produce higher maintainability of the code.
* Used **Knockout JS** to standardize web application structure and responsiveness using **bootstrap** and provide a future template for data binding.
* Used **AGILE SCRUM development Methodology** to ensure teamwork, collaboration and process adaptability throughout the life cycle of the project.
* Implemented **WEB API** Services for CRUD operations with HTTP verbs GET, POST, PUT and DELETE.
* Used **LINQ** to Entities to build a set of operations, parameters and expressions during execution of a set of data from **SQL Server**.
* Experience working with UML for drawing the Use case diagrams, class diagrams, sequence diagrams, State and activity diagrams.
* Developed **WCF Services** using various contracts like Service Contract, Operation Contract, Fault Contract, Data Contract and Message Contract and Configured the endpoints for various protocols communication.
* Implemented and extensively used the **Object-Oriented programming** concepts in **C#** and **ASP. Net 4.0.**
* Involved in **unit testing, integration testing** and **deployment** of the application.
* Taking advantage of HubSpot to send email each time a customer tries to save, developed to send new contact to HubSpot and integration with the existing application.

**Environment**: VisualStudio2010/2013, C#/VB.NET, HTML5, ASP.NET, HTTP, MVC 3.0/4.0, WCF, Entity Framework 6.1.3, Java Script, JQuery, Bootstrap, Angular JS, TDD, SVN, IIS 7.0, AJAX, Agile, ADO.NET, LINQ, XML, SQL Server 2008 R2, Web API, Windows XP, HubSpot, Google Analytics, Continuous Integration, Windows Server 2008 R2/2008,PL/SQL

***Client: State Farm Insurance - Bloomington, IL                 June 2015 to Dec 2016***

***Sr.Net Developer***

***Project: Benefits Approval Process (BAP)***

**Description**: Benefits Approval Process (BAP) is Client Website applications used by agents and will issue policy through this application for their customers. Eligibility of the customers is decided based on the past records which are automatically populated by the program. If the customer is an existing customer, then the existing rules apply. If the customer is a new customer, then future business rules will apply. Agents can check the status of their customers and their current policy rules. Once the policy number is auto generated, then the policy details are issued to the customer. It manages the status of each customer from initial entry through functional area review and approval process.

**Responsibilities:**

* Involved in designing the layout of the User interface using **Visio** and class diagrams using **UML**.
* Implemented **Partial views (user controls), Layouts (Master Pages), Strongly Typed Views and Complex Views.**
* Implemented Get, Post by using Controller actions and Caching by using **Action Filters** and Child actions in Controller and return Razor HTML to View through Action Results.
* Developed module which deals with validating users, changing passwords and searching for information depending upon priority of user in site.
* Taking advantage of the MVC pattern of the **AngularJS** framework to accomplish the single page application and produce higher maintainability of the code.
* Utilized modular structure within the **AngularJS** application in which different functionalities within the application were divided into different modules.
* Used **Angular JS** to standardize web application structure and responsiveness using **bootstrap** and provide a future template for data binding.
* Developed system services SOA application platform for use by all web applications utilizing WCF services.
* Used Team Foundation Server (**TFS**) for Version Control, Team build, Project Management, Data Collection and Reporting.
* Used bindings to control the construction of the Windows Communication Foundation (**WCF**) channel stack at runtime.
* Used **ASP.NET MVC (4.0)** Page Controller pattern to add functionality to individual pages such that to accept input from the page request, invoke the requested actions on the mode.
* Established communication between different applications running on same/different platforms using **WCF.**
* Developed **Stored Procedures**, **Triggers**, and **Views in SQL Server 2005** for accessing the database.
* Developed **T-SQL** queries to fetch data as per the business requirements with proper tuning techniques.
* Created and deployed **SSIS packages** using various Transformations such as Multicast, Look-up, checksum, union all and Derived Column.
* Implemented **WEB API** Services for CRUD operations with HTTP verbs GET, POST, PUT and DELETE.
* Used HttpResponseException to handle the exceptions in **Web API**and customized the Exceptions using Exception Filters and registered them at the Action Level.
* Implemented and extensively used the **Object-Oriented programming** concepts in **C#** and **ASP. Net 4.0.**
* Used **XML** intensively to bind the data to the web controls, data manipulation and to store data and sent as parameters to the stored procedures.
* Implemented **Serialization** and **Deserialization** of objects.
* Developed various stored procedures for the data retrieval from the database and generating different types of reports using **SQL reporting services (SSRS)**.
* Created **subscriptions** and **jobs** on the **SSRS reports** for financial analysts.
* Involved in **unit testing, integration testing** and **deployment** of the application.

**Environment**: VisualStudio2012, C#/VB.NET, VBA, HTML5, ASP.NET, HTTP, MVC 3.0/4.0, WCF, Entity Framework 4.0, Java Script, JQuery, Angular JS, TDD, TFS 2010, IIS 7.0, AJAX, Agile, ADO.NET, LINQ, XML, Microsoft Enterprise Library, Visual Basic, SSRS, SSISSQL Server 2008 R2,Web API, Windows XP, Windows Server 2003,CRM, Continuous Integration, Windows Server 2008 R2/2008,PL/SQL.

***Client: Stamford Mortgage Co - Stamford, CT                               Jan 2014 to May 2015
Sr.Net Developer***

***Project: Mortgage Product Program***

**Description**: Stamford Mortgage Company is a reputed and self-driven organization providing housing mortgage loans throughout the state. The project was a mortgage product program, which is an end-to-end enterprise credit fulfillment system for the mortgage industry. This program allows financial institutions to electronically configure mortgage products and related fulfillment activities. It can be used to eliminate paper and unnecessary manual activities through automation and efficient electronic management rules and data. It can also be used in decision making for the applicant based on the credit records derived from the credit bureaus. It is also helpful in streamlining the different activities of the mortgage department by the use of central reporting system.

**Responsibilities:**

* Involved in **Agile SDLC methodology SCRUM framework** and involved in Planning, Designing, Development and Testing.
* Worked with Business Analysts and Project managers to drive out requirements and implemented an elegant solution to the task in hand.
* Created and deployed **WCF services** consumed them by generating the proxy class based on web services and consumed in web applications.
* Created Client-side validations with **JQuery** selectors, Events and server side validations with APS.Net
* Utilized **LINQ** to Entities extensively for data retrieving, Querying, storing and manipulation.
* Created and maintained database objects like complex Stored Procedures, Triggers, Cursors, Tables, Views and **SQL Joins**.
* Implemented User Interface with Master pages, themes, CSS, Web server controls and User Controls.
* Used Data Bound controls, Grid View, Detail View and Form View to bind the data and used**LINQ** to Entities to query the IEnumerable Collections.
* Used **ADO.NET Entity Framework** Database Model First for data retrieving, querying, storage and manipulation.
* Heavily used **JQuery** for DOM Traversak and Manipulation,Event Handling and **AJAX functionality**.
* Implemented and Tuning the database objects like Stored Procedures, User Defined Functions, Views and **T-SQL** Scripting for complex business logic.
* Designed Linked, cascaded, parameterized, sub reports and Worked on Drill Down and Drill-through Reports, Tabular, Matrix and Tablix Reports
* Developed **SQL Queries** to fetch complex data from different tables in remote databases using Inner/Outer joins, sub-queries, accommodating complex filters and database links .
* Developed complex Stored Procedures to process prospective customer information and balanced the processing load between front end and back end.
* Provided production support for Development as well as User Acceptance Testing environment.
* Written detailed technical documentation for the maintenance team and prepared an easy-to-understand user's guide.
* Performed **Unit testing** of the application and subsequently handled the debugging issues.

**Environment:**Visual Studio 2010/2008, C# VB.NET, WCF, ADO.NET Entity Frame Work 4.0, Java Script, JQuery, XAML, TFS 2010, WCF, IIS 7.0, AJAX, LINQ, XML,  Microsoft Enterprise Library, NUNIT, SQL Server 2008 R2, Windows XP, UML, Windows Server 2003,Windows Server 2008 R2/2008.

***Client: Medha Info systems, Hyderabad, India Sept 2012 to Nov 2013***

***Jr.Net Developer***

**Description:** Enterprise hospitals information system (eHIS) is a health care package with 32 different functionalities. EHIS is an SOA compliant software package developed using web services. The package covers all administrative, patient tracking and reporting activities. Package includes functionalities for Treatment, Billing, Pharmacy, Material Management, Complete Lab, Operation Theater, etc.

**Responsibilities:**

* Involved in **Design, Coding, Testing** and Implementation of the application.
* Worked on development of User Interface with **HTML, JavaScript**.
* Design and develop the **GUI, Business Logic Layer and Data Access Layer.**
* Implemented the project using n-tier architecture with presentation tier (**ASP.NET)**.
* Used **ADO.NET** Connection, Command, Datasets, Data Adapter, Data Reader and XML to retrieve and store the data in **SQL Server 2008**.
* Used data controls like Data Grid, Data List, Data caching, Data Binding and Repeater controls throughout the application to display data in a customized format in the ASP.NET web pages.
* Created Tables, Indexes and Relations using **SQL Server 2008** and created Stored Procedures and triggers for automated operations.
* Used **Visual Studio.NET debugger** and **ASP.NET** trace functionality to debug the application.

**Environment:** VB.NET, ASP.NET 2.0/3.5, .NET Framework 2.0/3.5, ADO.NET, Visual Studio 2005/2008, SQL Server 2005,MS Unit, Team Foundation Server 2008, VSS, HTML, JavaScript, JQuery, SSRS, CSS.