**Sowmya Rengan
.Net Developer**

**pavan@quantomtech.com**

**+1 314-476-3437**

**PROFESSIONAL SUMMARY:**

* Around **10+ Years** of experience in Microsoft .NET Technologies - .NET Framework 4.5/4.0/3.5/3.0/2.0, .NET Core 3.1, C#.NET, VB.NET, ASP.NET and ADO.NET.
* Experience in development and implementation of Windows Communication Foundation (WCF), and also responsible for developing WCF based service, Data, Fault and Message Contracts.
* Proficiency in Software Development Life Cycle (SDLC) and AGILE (SCRUM) methodologies of development process such as requirement analysis & definition, designing, coding, testing and implementation.
* Experience in working with Web Forms, User Controls and Web Controls using HTML/HTML5, DHTML, CSS, CSS3, XML, JavaScript, jQuery, JSON, Visual Studio.
* Experience in developing Web Applications using AJAX controls, Telerik Controls, Web Services and Cross Browser functionalities.
* Strong expertise DevOps concepts like Continuous Integration (CI), Continuous Delivery (CD) and Infrastructure as Code (IaaS), Cloud Computing etc.
* Good knowledge on using Angular APIs like @angular/http [For making HTTP requests], @angular/common [common core things including form validation], @angular/router [routing for our entire app]
* Created Azure Event Hub for Application instrumentation and for user experience or workflow processing.
* Having Experience for creating and Managing Docker ORM files for creating necessary base images used for automation of build and deployment environments.
* Experience using LINQ, N Hibernate and Entity Framework mappers to interact with other layers
* Experience with AWS and Azure services with workload requirements
* Expert in developing Web applications, Windows services, Web services and WCF services in Microsoft .Net Framework using MVC, ASP.NET, Angular JS, C#, ADO.NET, LINQ, SQL SERVER, Entity Framework, SSIS, SSRS, Ajax, WFC, Win Forms, Web API, CSS, JavaScript, jQuery, Bootstrap, AJAX, JSON, HTML5.
* Excellent working knowledge of ASP.NET controls like Grid View, Detail View, and Data Source controls like Object Data Source, SQL Data Source, Master Pages for consistent layout of pages within application
* Solid understanding in developing Single Page Application (SPA) developing using Angular framework
* Experience with migrating applications from customer on-premises datacenter to the cloud (AWS).
* Proficient in database programming to create Joins, Stored Procedures, Functions, Views and Triggers using T-SQL in SQL Server 2005/2008/2012/2014, Oracle SQL developer, IBM DB2
* Familiar with MongoDB database concepts locking, indexes, transactions, replication & schema design
* Extensive experience with reporting tools like SSRS and Crystal reports for designing and modifying reports and creating shared and embedded data sources to pull data into reports from the database
* Proficient at grasping new concepts, applications and technologies quickly, and utilizing the same in a productive manner.
* Experience in web programming with hands on Experience on using Custom Controls, Master Pages, Themes and Validation Controls.
* Experience in using ASP.NET AJAX and VB.NET framework for quickly creating efficient and interactive Web applications that work across all popular browsers.
* Experience working on N-Tier Architectures such as MVC (Model View Controller), MVVM (Model View, View Model) in applications.
* Experience working on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Experience in utilizing the new integrated features of ASP.NET 4.5/3.5/3.0 versions like Windows Communication Foundation (WCF), Windows Presentation Foundation (WPF).
* Familiar with JavaScript libraries and Bootstrap templates and Backbone JS &AngularJS framework.
* Experience in Windows Applications, Dynamic web view applications using AngularJS.
* Technology leadership for the direction of the Cloud based application using Node.js and MS SQL Server integrating to a proprietary framework.
* Experience in creating Server objects like Tables, Stored Procedures, Views, Indexes, Triggers, Cursors, User defined data types and Functions.
* Experience working with SSIS and SSRS packages for creating reports.
* Worked with IIS (Internet Information Services) and Windows Server 2008 during application deployment.
* Experience with Web Services, Web Forms, Microsoft .NET Frameworks.
* Experience in working with databases like MongoDB, MySQL and Cassandra.
* Proficiency in using Silverlight to develop web applications with rich graphics, user interaction, multimedia, animations and that can operate on all popular web browsers.
* Experience in using Language-Integrated Query (LINQ to Objects, LINQ to XML and LINQ to SQL) and retrieve data from different data sources.
* Experience in working on Web Services, SOAP, WSDL, Database design, Object Oriented Architecture, XML, HTML, DHTML, and CSS.
* Hands on work experience in MOQ (Mock) unit testing framework using MVC 5.
* Experience in working with Site core CMS 8.x/9.x.
* Performed N-Unit Testing for the piecewise testing of the Applications Experience in automated CI build processes for multiple .NET environments using Azure Devops.
* Experience in building sophisticated distributed systems using REST/ web API's (SOA).
* Experience in Vera code integration which helps identifying security vulnerabilities in code.
* Experienced in GitLab CI and Jenkins for CI and for End-to-End automation for all build and CD.
* Design and develop .NET-based GIS Web applications that addresses the most challenging business, technology, and systems integration needs.
* Perform hands-on GIS application design, programming, implementation, and support for GIS related projects and activities.
* Perform complex hands-on integrated programming, spatial data analysis, and application development including maintenance and future enhancements of existing systems.
* Recommend optimal approaches and develop GIS application designs.
* Full ability within the ArcGIS Desktop suite, ArcGIS Portal, ArcGIS Online, and associated add-ins, extensions, etc.
* Write and manage Python scripts for GIS ETL needs, data transformations, and syncing between databases/systems.

**TECHNICAL SKILLS:**

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| **Net Technologies:** | .Net 3.0/3.5/4.0/4.5/4.5.2/6, ADO.Net, Entity, LINQ, Web Services, Web Forms, Win Forms, AJAX, ASP.NET MVC, SharePoint, WCF, Web API, WPF. |
| **Web Technologies**: | html, cshtml, xml, xsd, xlt, wsdl, xaml, soap, css, web forms, web services |
| **Web servers**: | IIS 8.5/10, gCloud (Kubernetes/docker) |
| **Cloud Technologies** | Azure, AWS, GCP |
| **Databases:** | Oracle 11, SQL Server Management 2012, 2015, MySQL Workbench 8. |
| **IDE’s:** | Visual Studio 2012/2015/2017/2019/2022, Visual Studio Code, Notepad ++, |
| **Operating systems:** | Windows 2007/8/10/Server 2012/, MacOS Monterrey/Sierra/Ventura, Ubuntu. |
| **Reporting tools**: | Sync fusion .Net, Telerik reporting, SSRS Crystal Reports. |
| **Controlling version**: | Team Foundation Services (Microsoft VS TFS), Gitlab, GitHub. |
| **Languages**: | .Net, C# Unity, C++, PL/SQL, TL/SQL. |
| **Other Technologies:** | ASP.NET, ASP.NET MVC, Web Services, ASP, IIS 6.0, VBScript, AJAX, JSON, IIS 6.0, IIS 7.0, IIS 7.5, ASP.NET, MVC 4/5, ASP, JSP Cold Fusion, PHP, MOSS 2007, MS Commerce Server, ADO.NET, LINQ, EDM, Microsoft Enterprise Library 5.0, Log4net, NuGet, ESRI ArcGIS, Esri ArcGIS Portal, ArcGIS Server, ArcGIS Online, ArcGIS Pro, ArcSDE, Python |
| **Reporting/ Integration Tools:** | SSRS, SSIS |
| **Scripting languages**: | JavaScript, jQuery, |

 **CERTIFICATIONS:**

* **AZ900 – Microsoft Azure Fundamentals**
* **MB 300 – Microsoft D365 Core Finance and Operations**
* **MB 500 – Microsoft Finance and Operations Apps Developer**
* **MB 700 – Microsoft Finance and Operations Apps Solution Architect**
* **PL 900 – Microsoft Power Platform Fundamentals**

**PROFESSIONAL EXPERIENCE**

**Restoration Hardware, Corte Madera, CA Aug 2023 to till date**

**Senior Dotnet Developer**

**Responsibilities:**

* Involved in the requirement gathering, design of the systems and development using Agile.
* Developed the User Interface using HTML5, CSS3, Bootstrap, JQuery, JavaScript, and AngularJS.
* Implemented different validation control on the web-pages using AngularJS
* AJAX is used to get the data from the server asynchronously by using JSON/XML object.
* Used the Node JS with Flux Frameworks in the development of the web applications.
* Goodknowledge and working experience in integrating multiple APIs with Angular applications.
* Designed and developed application using Angular framework along with **HTML, CSS, Typescript, and Bootstrap.**
* Good knowledge in configuring and implementation on **ag-grid**for Angular 11.
* Good working experience in using **Ngx Components**(ngx-toaster, ngx-bootstrap)
* Implemented Authentication & Authorization services. Added token-based **SSO (Single Sign-On)**and **SLO (Single Log Out)**
* Worked on **MSAL Guard**for authentication (Microsoft Authentication Library). Used MSAL Guard with hash routing and path routing.
* Created Extensions in **Angular 11**, which helps in performing complex regex validations and client-side validations.
* Implemented a Node JS server to manage authentication.
* Created REST based APIs to form middle layer for the UI systems (JSON input stream).
* Design the Database entities from Business Models using Entity Framework.
* Created and deployed Web Services using ASP.NET, SOAP and XML for Pulling Customer Service Records and database objects using Cassandra.
* Modified Web Services to interact with the other applications and exposed them using SOAP and HTTP.
* Perform hands-on GIS application design, programming, implementation, and support for GIS-related projects and activities.
* Conduct complex hands-on integrated programming, spatial data analysis, and application development, including maintenance and future enhancements of existing systems.
* Used WCF for developing and deploying services on windows in line, third party services and applications with the Service Oriented Architecture (SOA).
* Extensively involved in developing components for Business Layer and Data Layer.
* Used Micro service architecture, based services interacting through a combination of REST and leveraging AWS to build, test and deploy Identity Micro services.
* Involved in complete application stack in Amazon Web Services (AWS) like EC2, S3 Bucket.
* Responsible for maintaining and expanding AWS (Cloud Services) S3 infrastructure using AWS (SNS, SQS).
* Used LINQ to build set of operations, parameters and expression during execution a set of data from SQL Server.
* Extensive Knowledge on Microsoft .NET design Patterns including Dependency Injection (DI), MVVM and MVC.
* Involved in creating, modifying and updating database tables in oracle 11gand also to store all data that has been extracted, and querying those tables with the use of SQL through Toad.
* Developed Stored Procedures, Triggers, and Views in SQL Server 2012 for accessing the database.
* Developed many T-SQL queries to fetch data as per the business requirements with proper tuning techniques.
* Enhanced the applications performance by constantly monitoring the queries by running Execution plans and query optimization techniques in SQL server.
* Involved in the Unit and Integration testing.
* Experience in using API for making Ajax calls to servers.
* Used AJAX, JQUERY and HTML with MVC views to produce rich user interface.
* Worked on JQUERY lib to post data to MVC action method.
* Wrote queries, stored procedures to deliver reporting tools.
* Involved in the complete life cycle of the project from the requirements to the production support.
* Extensively involved in fixing production issues and support.
* Involved in fixing UAT, production Bugs and support to the application.
* Performed unit testing on the code and delivered test driven approach development.
* Created web applications that analyze based upon machine learning to show recommendations.
* Mapping the business requirement to the technical specification and detailed design documents.
* Participate and lead in the scrum calls.
* Utilized a few highlights in Angular 12 like Router PARAM Map, Animations and Source maps for formats
* Worked Extensively with Angular 11 for designing and creating components, Services, Bindings.
* Used TFS (Team Foundation Server) and Git for version control and collaboration of team effort.

**Environments:** Visual Studio 2019,2022, C#, ASP.NET MVC 5.0/4.0, Entity Framework 6.0/4.3, HTML5, CSS3, Angular JS,AJAX, Node JS, .NET Framework 4.5,Rest full Services, WEB API,TFS 2013, JQuery, Java script, AJAX, JSON, IIS 7.0, HTML5, CSS3,AWS SERVICES, S3, Oracle 11g,SQL Server 2012(T-SQL,PL/SQL, ESRI ArcGIS, Esri ArcGIS Portal, ArcGIS Server, ArcGIS Online, ArcGIS Pro, ArcSDE,ESRI Java Script

**Accenture, Chennai, India Sept 2015 to July 2022**

**Senior Dotnet Developer**

**Responsibilities:**

* Daily Scrum meeting, Working on Continuous improvement and enhancements for the issues reported by the client
* Troubleshoot, document, and resolve software issues and bugs. Create SQL statementsand Run Sql statements in Sql server. Supporting the issues for client and fixing for patch releases.
* Cross trained in Microsoft dynamics 365 F&O and Commerce and worked on the development for the client.
* Participated in boot camps to train other resources in Microsoft dynamics 365 F&O and Commerce Technical. As part of R&D team Involved in POC research for customization in D365 commerce for Fuel Retail Development.
* Involved in implementation of MPOS Offline, FCC & ITL external simulator for fuel filling, Prepay/Post-pay functionality for fuel items, Drive- off and Drive-off Reversal related implementations and receipts generations.
* Involved in Solution, Development and customization of D365 Commerce with integration of Fuel Forecourt Controller like INVENCO, DOMS, ITL, Distributed INFX Standard Four court device controllers and services.
* Extensively worked in CDX jobs Designed and developed utilities in Windows Azure Service Bus for exchanging messages/information between windows and legacy mainframe applications.
* Designed MVC design pattern for ASP.NET application development using the ASP.NETMVC framework on MAC OS.
* Involved in design and implementation of entire EDI system and produced System Design documentation.
* Product Report tool was designed and developed using ASP.NET, XHTML, HTML, JavaScript and SQL Server 2008 as database.
* Experienced in Developing and Enhancing Web forms, Master Pages, User Controls and Custom Controls by using HTML, CSS, and ASP.Net Controls.
* Develop and maintain EDI training manual and system documentation.
* Developed Agile Software Development methodologies to enable efficient and effective high-quality software development.
* Recommended and developed the services of the application usingASP.NET MVC Web API.
* Worked on Software Development Life cycle (SDLC) starting from Requirements gathering and performing objects-oriented analysis, design and implementation developing new WCF Service interface layer.
* Work with business units to get and understand SRS (Software Requirements specifications).
* Used code first approach and Entity Framework 6.0 for Data Access Layer (DAL).
* Developed modules of application in Angular 9. Wrote Services and APIs in .NET.
* Experience in creating services with Angular 9 property to make the service available for dependency injection when creating components.
* Most of the internal structure uses XML for generating input/output.
* Used Team Foundation Server (TFS) for Version Control, Team build, Project Management, Data Collection and Reporting.
* Analysis and manipulation of EDI data to conform to ANSI Standards.
* ADO.NET was used to connect to the databases in a disconnected oriented architecture.
* Created event driven Web Forms using ASP.NET and implemented Form Validations.
* Worked in Grid View Control throughout the application.
* Created and consumed Web Services using Visual C#, ASP.
* Worked on different aspects of .NET framework like ASP.NET 4.0 and on middleware ADO.NET.
* Tools/Technologies.Net Framework 4.0, C#.Net, Visual Studio2012, ASP.NET 4.0, JavaScript, Entity Framework, IIS, XML, SOAP, SQL Server 2012.
* Deployed applications on Web sphere server and Tomcat application server as per the requirement.
* Implemented Server and Client side validations using ASP.NET validation controls and JavaScript.

**Environment:**  C# .NET, ASP.NET, MVC, WCF, .NET Framework 3.5/4.0, Visual Studio 2008/12, XML, XSL, Angular JS, JavaScript, SQL Server 2005/08/12, ADO.NET, Web services, IIS 6.0, and Team Foundation Server.

**Tangoe, Bangalore, India Feb 2015 to Sept 2015**

**Software Developer**

**Responsibilities:**

* Extensively worked with Win Forms using ASP.NET and C#.NET.
* Developed the web application using C#.NET, ASP.NET, ADO.NET, and SQL Server.
* Interacted with client end - user during requirements gathering sessions.
* Worked with ASP.NET AJAX Controls and Extenders and Win Forms.
* Extensively used ASP.NET Validation Controls and JavaScript for client side validations.
* Gained valuable experience working with ASP.NET and C#, developed application logic in C#.
* Responsible for writing stored procedures, functions using T-Sql to intercourse between tables to perform data operations on Oracle and SQL 2005/2008.
* Extensively used ASP.NET Validation Controls and JavaScript for client-side validations.
* Gained valuable experience working with ASP.NET and C#, developed application logic in C#.
* Responsible for writing stored procedures, functions using T-Sql to intercourse between tables to perform data operations on Oracle and SQL 2005/2008.
* Inner join, left outer join were used during the project at back-end and business layer design.
* Involved in migrating the application from Asp to ASP.NET.
* Developed many Web Forms using C# and ASP.NET and used AJAX in some forms.
* Created and optimized views for user interactions using objects of HTML Helper class, Custom Helpers and JavaScript.
* Gained knowledge about Web Services for user authentication.
* Used Windows-UI (XAML, HTML) to enterprise, modernize & mobilize Win Forms applications.
* Used Active Directory for security and authentication for the different users and administration level.

**Environment:** C#.Net, ASP.NET, JavaScript, Win forms, SQL Server 2005, AJAX, HTML, CSS, Web services, Visual Studio 2005/2008 and .NET Framework, VB.NET, ADO.NET, LINQ to SQL, XAML, VSS

**First American Title, Bangalore, India Oct 2014 to Jan 2015**

**Software Developer**

**Responsibilities:**

* Responsible for designing, developing, and maintaining the Web application with an emphasis on usability,
* Performance and scalability using ASP.NET MVC, C#.
* Collaborated with other developers, business analysts, and cross-department teams in conceptualizing and
* Developing new reports, actionable data and insights, and enhancements.
* Involved in the full life cycle of the project from requirements gathering, analyzing, designing UI/Middle tier/database, and transition using Iterative AGILE Methodology.
* Developed GUI using WPF Controls. Windows controls in NET 4.0/45, VS.NET2012. C# and XAML
* Developed complex MVC Controllers, View Models, and Helper methods linked to the backend database.
* Implemented LINQ for querying, sorting, and filtering complex objects.
* Developed intricate client-side interactions with JQuery and JavaScript.
* Worked on creating new reports using SSRS.
* Hands-on experience in implementing AJAX functionalities for partial page rendering and asynchronous calls.
* Extensively worked with Entity Framework as an ORM tool to connect the data access layer and business layer.
* Used the Code First approach in Entity Framework to create entities in the Visual Designer and later used those
* Entities to develop the application.
* Used Angular 7 to design the complete front end of the application.
* Worked with C# .NET and APIs to control motion controllers, motors, drives, PLCs, and input/output devices.
* Performed and participated in code reviews.
* Involved in setting up continuous integration system using Jenkins and working knowledge with cloud-based code
* Repository system like GitHub.
* Involved in writing T-SQL queries and stored procedures using MS SQL server for Data access and reports.
* Worked on optimizing, debugging, and creating T-SQL stored procedures in SQL 2012 R2.
* Written various unit tests using NUnit and Moq Framework.

**Environment:** Net Framework 4.5.2, C#.Net, MVC, Visual Studio 2015, ASP.NET MVC, Agile, AngularJS, T-SQL, GitHub, JavaScript, XAML, AJAX, Git Hub, Oracle, Entity Framework, WPF, HTML 5, CSS3, WCF, IIS, XML, SQL Server2012, LINQ, TFS.

**Crossdomain, Bangalore, India Jul 2012 to Sept 2014**

**Software Developer**

**Responsibilities:**

* Designed and developed Intranet web application in MVC 5.0 framework with AngularJS.
* Used Model View Controller (MVC) design pattern to develop a complex web application, ASP.NET Web API with C# as code behind. Used Enterprise Library 5.0 for error logging and database activities.
* Proven ability to troubleshoot and optimize MongoDB performance issues, including database schema design, query optimization, and indexing strategies.
* Used Postman -Google Chrome extension for Web API service testing and debugging.
* Implemented Dependency Injection using Unity framework for decoupling of each layer and easily enables unit testing capability. Used LINQ to manipulate and fetch the data from database.
* Developed JMS modules with JMS (java messaging service) for asynchronous communication.
* Implemented the forms authentication for the application. Used jQuery for client-side validations.
* Involved in writing SQL statements, stored procedures, User Defined Functions, Complex Triggers. Actively worked on Performance Tuning in Application servers, Database Servers.
* Used ASP.NET Web API framework to support the use of Dependency Injection to inject objects into a class instead of relying on the class to create the object itself.
* Implemented SSIS packages to update SQL data tables from oracle server. Deployed SSIS packages to production, scheduled them to run on routine basis and monitor log for errors.
* Worked as developer in the team for design and development of application using Microsoft Visual studio with the ASP.Net 4.0, SQL Server 2012.
* Developed the UI (user interface) using ASP.NET MVC 4.0, Knockout JS, HTML5, CSS 3, Bootstrap, Ajax.
* Developed WCF services to support service-oriented architecture, configured WCF services in IIS.
* Developed custom HTML Helpers and custom Action Filters for the application.
* Used Chrome Developer Tools, to locate and edit CSS, jQuery & JavaScript within web project.
* Worked on PHP5 and MYSQL, HTML5, Ajax, JavaScript, CSS3 and WordPress.
* Bug Fixing, Handling Service request from customer and addressing them in a timely manner.

**Environment**: .NET Framework 4.0, ASP.NET, C#, ADO.NET, SQL Server 2008, XML, SOAP, JavaScript,WCF, entity framework. HTML, JavaScript, Dependency Injection, C#, Azure DevOps, Excel, XML, XPath, CSS, MS SQL Server