**Rutwick Kumar M**

**Sr .Net Developer**

[**rishitha.23g@gmail.com**](mailto:rishitha.23g@gmail.com)

**+1 2142998373**

**Professional SUMMARY:**

* 8+ years IT experience in Microsoft Technologies, such as **.NET Framework (2.0/3.0/3.5/4.0/4.5), ASP.NET Web Forms, MVC 5.0/ 4.0/3.0 with Razor Engine, C#, MS Access 2007, Web Services, WCF, WPF, Entity Framework.**
* Strong experience in developing internet, intranet, N-tier and distributed client-server applications using **C#.Net**, **ASP.Net**, **ADO.Net**, **Entity Framework** and **IIS on** **SQL Server** 2014 and **MySQL**.
* Excellent experience in OOPS and design patterns (**Singleton**, **Factory**, **Abstract Factory**, **Decorator**, **Observer**) & **UML**.
* Worked extensively on Web Services, **WCF, RESTful Services**, **SOAP, JSON** and **Web API**.
* Experience in building/managing Web Applications using **ASP.NET Web Forms**, **MVC** (Model View Controller) (**Razor/ASPX engine**).
* Experience using **GridMvc 3.0** to generate grids for corresponding Database tables.
* Experience using **Telerik Rad Controls** for creating rich and fast user interface.
* Expertise in implementing SOA using WCF technology developed and consumed WCF services with features versioning, security, optimization and reliability.
* Experience in implementing .Net 3.5 features like **LINQ**.
* Developed data layer using **ADO.NET**, **LINQ** (LINQ to SQL) and **Entity Framework** concepts.
* Expert level skills in developing XML, HTTP based Web Services in .Net including hands on experience in consuming web services using **WSDL**.
* Hands on experience in reports development using SQL Server Reporting Service (**SSRS**) and Crystal Reports.
* Experience in SQL Server Database design developing **T-SQL** queries, function, **stored procedures**, and **triggers** using SQL Server and used Data Adapter, Dataset, Data Connection, Data Command, Data reader as a part of ADO.NET to access and update database in ASP.Net environment.
* Experience in Database Analysis/Design/Normalization/Manipulation processes using **Oracle**. Extensively worked on stored procedures and user defined functions.
* Expertise in building rich AJAX enabled UI based web applications in .Net and developing multi-tier client-server web applications.
* Expertise in **DOM** manipulation using **JavaScript**, **JQuery** and **Angular JS.**
* Expertise in web programming includes strong knowledge of associated technologies such as **HTML**5, **CSS3**, **JavaScript**, **XML**, **JQuery and Modernizr.**
* Extensively used **Alpaca forms** for various form fields to fetch the inputs from the user/customer.
* Highly experienced in utilizing many quality, environmental and configuration management tools such as **Team Foundation Server/Visual Studio Team System and Git**.
* Experience in Test Driven Development (**TDD**) using **Microsoft TestTools** and have experience in unit testing using **NUNIT.**
* Experience using **Atlassian JIRA** for bug tracking, issue tracking, and project management.
* Experience in **Agile** (Scrum), Waterfall & iterative methodologies.
* Experience in using **Jenkins** and **Octopus** for automatic deployment of web applications.
* A team player with excellent communication, analytical, relationship management, analytical skills, and ability to work independently

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | C#| Java, Python, C++, VB.NET, JavaScript, jQuery, Node Js, PL/SQL. |
| **Languages & Frameworks** | AngularJS, JavaScript, WPF, WCF, php, Python, Shell Scripting, Node.js, JSP, MySQL, SQL Server, MS Access, ADO.NET, Entity Framework, LINQ, Web Forms, Bootstrap 4.0, HTML5 & CSS. |
| **Version Control & Tools** | Git, Azure DevOps, Team Foundation Server (TFS), Jira, Confluence, Power BI, Tableau. |
| **Operating systems** | Mac, Windows XP/7/8/10, Linux (Ubuntu) |
| **Web Services** | XML, REST, SOAP, WSDL, UDDI. |
| **Software Methodologies** | Agile Software Development, Waterfall Model. |
| **Platforms** | Eclipse, NetBeans, Visual Studio 2018, Dreamweaver, Oracle 11g express edition. |

**EDUCATION:**

* **Bowling Green State University (BGSU), Bowling Green, OH**

Master of Science in Computer Science **2016**

* **Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad,** **India**

Bachelor of Technology, Computer Science and Engineering **2013**

**WORK EXPERIENCE**

**Constellation Energy Corporation, MD  
Sr.NET Developer Dec 2022 – Present**

**Project Description:**

Designed and developed customer-facing web applications using ASP.NET and Angular, leveraging Azure technologies like Event Grid, Service Bus, and Cosmos DB. Implemented Azure functions and logic apps for ERP systems, and built CI/CD pipelines with Azure DevOps. Utilized ADO.NET for data manipulation and developed RESTful APIs for custom data retrieval. Monitored and optimized system performance using Azure, and provided technical documentation and support. Conducted research and implemented complex T-SQL queries, ensuring robust and scalable web applications on the Microsoft technology stack.

**Responsibilities:**

* Designed and developed customer facing web applications using **ASP.NET framework** and **Angular**.
* Experience with additional cloud-native Azure technologies i.e. **Event Grid, Service Bus, Cosmos DB, Data Factory, App Service, Key Vault, Logic Apps, ARM Templates**.
* Implemented Azure functions, Azure logic apps, Azure store and service bus queues for enterprise level ERP systems.
* Worked closely with Business Administrators, marketing and sales teams to complete the end-to-end process of integration.
* Designs, codes, implements, documents, and maintains complex on-line applications systems.
* Utilize established development tools, guidelines and conventions including but not limited to **ASP.NET, SQL Server, HTML, CSS, JavaScript, Angular and C#**.
* Confer with other experts, including systems analysts, programmers and engineers to gather information on project feasibility, limitations, capabilities, requirements and interfaces.
* Extensive experience with building and managing **CI/CD** pipelines using **Azure DevOps.**
* Evaluate new code for reliable architecture, stability, reusability, performance, automation, security and metrics.
* Build high-quality scalable and predictable web applications on the Microsoft technology stack and maintain internal and external facing web applications using Angular.
* Develop technical documentation of issues for training team members.
* Monitors systems availability, capacity, performance and plans using Azure.
* Responds to system users, evaluates software and system problems and potential solutions to application systems requirements.
* Troubleshoot end-user application issues and develop procedures for application scalability.
* Utilized **ADO.NET** technology extensively for data retrieving, querying, storage and manipulation using **LINQ.**
* Conduct research, design analysis, and implementation for consulting projects; initiate and maintain client relationships.
* Implement complex **T-SQL** queries, store procedures, views, triggers, cursors, joins and constraints.
* Customize data retrieval process for business needs by developing custom applications using Microsoft Technologies to retrieve **JSON** data by developing **RESTful Web API’s**.
* Extensive experience in Change management process, incident and problem management using **ServiceNow**, **ITSM** software's.
* Perform strong and specialized analytical skills using advanced software tools like **Microsoft Visual Studio (VS) and Microsoft SQL server Management Studio (SSMS)**.

**Environment:** Visual Studio 2019, SQL Server 2017, .NET 6/ 6.1 /Core 3.1 Framework, ASP.NET MVC, C#, Web Services, MVC5, NUnit, Angular v13, SSRS, TFS, LINQ, Rest API, CSS3, XHTML, HTML5, Azure Functions v3 – v4.

**MUFG Union Bank, NJ  
Sr.NET Developer Nov 2019 – Nov 2022**

**Project Description:**

Designed and developed user interfaces and customer-facing web applications using ASP.NET and Angular, enhancing business functions. Implemented and managed CI/CD pipelines with Azure DevOps, and developed RESTful APIs for data transfer and integration. Utilized Microsoft Azure for cloud environment maintenance and scaling, and employed various object-oriented programming features in C#.Net. Conducted code reviews, participated in Agile methodologies, and managed production support activities using ServiceNow. Developed microservices and automated build processes, ensuring robust and scalable solutions.

**Responsibilities:**

* Involved in design, development and implementation of User Interfaces, Code optimization and build automation using N-Tier Architecture with Software development life cycle (SDLC) followed by Agile methodologies.
* Experience building customer facing web application enhancing customer needs supporting daily business functions.
* Worked with WEB APIs to make calls to the web services using URLs, which would perform GET, PUT, POST and DELETE operations on the servers
* Analyzed and developed downstream workflows for financial interfaces for easy data transfer.
* Configured scheduled Jobs using Tidal interfaces for timely business data delivery.
* Deployed Splunk alerts for early detection of production job failures in compliance with downstream system SLA’s.
* Experience and assisting front end developers to implement Angular6/8/11 web interface.
* Worked with QA team during QA and UAT cycles.
* Experience working in Agile Methodology.
* Customized Restful Web Service using Restful API, sending JSON format data packets between front-end and middle-tier controller.
* Successfully handled JSON data and carried out JSON parsing for form submission and DOM manipulation.
* Maintained existing cloud environment using **Microsoft Azure.**
* 3+ years of experience with building and managing CI/CD pipelines using Azure DevOps.
* Implement the entire backend of the application in C#.Net, using various object-oriented features like classes, interfaces, inheritance, polymorphism and multi-threading.
* Used Jira ticketing system to keep track of issues and workflow of User stories.
* Generate entity classes based on the database schema and improve the development of N-tier architecture using LINQ.
* Strong working experience in the Data Analysis and Testing of Data Warehousing using Data Conversions, Data Extraction, Data Transformation and Data Loading (ETL).
* Strong experience in script developing for QTP using VB script.
* Knowledge of Object-Oriented Programming (OOPS) concepts including Multithreading, Collections, Exception Handling.
* Experience in developing Microservices using ASP.NET core.
* Responsible for Code Reviews and Demo of progress to business owner.
* Experience in designing and developing Microservices for the business components using .NET framework version5.0.
* Used **Log Analytics service in Azure OMS** to monitor cloud environments to maintain their availability and performance.
* Used **Azure** for Scaling and checking the reliability of the applications which were developed during the project.
* Used Team Foundation server (TFS 2019) for source code repository and versioning.
* Migrate an existing web application to leverage modern technologies utilizing Angular6/8 and RESTful APIs using. Netcore3.1.
* Developed re-usable REST APIs that can be leveraged across the application such as client-building server-side software for each new application project.
* Upgraded .Net Core 2.2 to. Netcore 3.1.
* Developed and maintained stored procedures, User Defined Functions, Indexes, Views, Tables and Relationships on SQL server 2017 database.
* Experience in creating Containers by Docker's for Microservices.
* Participate in daily development and Tech Design meetings.
* Participated in daily Scrums (Agile) with whole team to discuss about the progress of the application development, specs to be taken care of and specs that already completed.
* Executed development processes for the project such as build automation, unit testing, software configuration management and packaging.
* Experience with managing production support activities creating change requests and incident management using ServiceNow.
* Perform strong and specialized analytical skills using advanced software tools like Microsoft Visual Studio (VS) and Microsoft SQL server Management Studio (SSMS), Microsoft Azure Logic Apps, Azure DevOPS .
* Oversee configuration management processes, resolve issues, and implement processes to improve efficacies.
* Maintenance of workflow tasks that are used to control development.
* Participated in product envisioning discussions and provided inputs from development perspective for shaping up overall product strategy.

**Environment:** Visual Studio 2019, SQL Server 2017, DotNet Core2.1/2.2/3.1, ASP.NET MVC, C#, Web Services, MVC5, NUnit, Angular6/8, SSRS, TFS, LINQ, Rest API, CSS3, XHTML, HTML5.

**SSOE GROUP, OH**

**Sr.NET Developer Feb 2017- Oct 2019**

**Project Description:**

Developed diverse programming solutions in C# using OOP concepts and built web applications with ASP.NET MVC, AngularJS, and HTML5. Created WCF SOAP and REST services, and implemented SOA architecture with WCF bindings. Utilized Entity Framework CODE FIRST for performance improvements and Oracle PL/SQL for business rules. Designed and developed single-page applications with AngularJS and Razor views. Conducted content management, editing, and proofing for web applications, and implemented LINQ queries and SSIS packages for data extraction. Provided 24x7 production support for SQL Server databases, ensuring maximum performance and uptime.

**Responsibilities:**

* Developed solutions for diverse programming scenarios in **C#**, employing Object Oriented Programming (**OOP**) concepts.
* Worked on **C# (4.0), .NET, MVC (4.0), Angular JS, HTML5** for developing various tabs in the web application.
* Used **Entity framework CODE FIRST** to improve the overall performance of the application.
* Created **WCF SOAP, WCF REST** Services and used different bindings to make it available to different types of clients.
* Experienced in fast-paced **agile development including Scrum**, Test-Driven Development (TDD).
* Designed and developed **SOA** architecture with **WCF** binding concepts for making data binding for end points.
* Developed Web Application in **ASP.NET MVC 4.0** razor view engine, **ASP.NET** with **C#** as code behind **Angular JS,** is used for client-side validation.
* Used Oracle PL/SQL for implementing business rules and doing performance tuning procedures.
* Used **AngularJS** as the development framework to build a single-page application.
* Developed Razor views with strongly typed view models and helpers and partial views using **ASP.NET MVC4, CSS3 and C** #.
* Managed online content performed editing and proofread all content. Developed, maintained and evaluated content for website.
* Analyzed web content, summarized it and documented results for website users.
* Implemented **Partial views (user controls), Master Pages, Strongly Typed Views and Complex Views**.
* 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.
* Worked on **SOAP a**nd **RESTFUL Service API** using WCF 4.0 which returns XML and JSON data using WCF attributes.
* Leveraged **Angular JS** for scripting, **AJAX** calls and **JSON** and **XML** for passing objects from Controller to View and vice versa.
* Extensively used **Angular JS** for **DOM** traversing and manipulation
* Used **JSON** to transmit data between Server and Web Application, an alternative to **XML** Serialization.
* Implementing **LINQ** queries on different data sources in **Silverlight** applications.
* Created packages using Integration Services (**SSIS**) for data extraction from Flat Files, Excel Files **OLEDB** etc. to **Access** etc.
* Used **SSRS** to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in **SSRS**.
* Having experience on SAN and RAID levels and building SQL Cluster servers on SAN Environments.
* Used Team Foundation Server (**TFS**) for source control and documented the entire application.
* Created test plans and performed unit and regression testing on the application.
* Experience in coordinating with on site and offshore team members in daily status meetings to resolve issues related to project Activities.
* To provide **24x7 production support for SQL Server databases on Clustered Servers** with sizes ranging from 1 to 2 Terabytes to achieve maximum performance and uptime in production environment.

**Environment**: Visual Studio 2017, .Net framework 4.5, MVC 4.0, C#.Net, ADO.net, TFS, Entity Framework 4.0, WCF, SQL Server 2012, AJAX, XML, Node JS, JavaScript, Angular JS, Python, JSON, JQuery, HTML, CSS, Crystal Reports. WPF, **Oracle 11i,** Autosys, MySQL.

**Bowling Green State University, OH**

**.NET Developer Jan 2016- Jan 2017**

**Project Description:**

Designed and developed UI screens using Visual Studio, WPF, VB.NET, AJAX, XML, and CSS, employing OOP techniques. Utilized C# and VB.Net features, and implemented architectural designs with Entity Framework for data retrieval. Developed frameworks with ASP.NET MVC4 and created WCF services for robust and scalable solutions. Used ADO.NET for data access and performed database operations in MS Access. Implemented disaster recovery and high availability solutions, and participated in sprint planning and retrospectives. Developed web and Windows applications, handling clustering, backups, and replication for production servers.

**Responsibilities:**

* Designed **UI screens** and code using **Visual Studio 2010/12, WPF, VB.NET, AJAX, XML and CSS with object-oriented programming techniques**.
* Used various features of **C#** and **VB.Net** (e.g., reflections, generics, partial classes, LINQ).
* Involved in architectural implementation through code and design
* To retrieve the data in the form of objects and properties, such as customers and customer addresses, without concerning them with the underlying database where this data is stored using **ENTITY FRAMEWORK**.
* Developed the frameworks using Asp.Net **MVC4**.
* Developed an open-source web application framework maintained by individual developers and corporations to address many of the challenges encountered in developing single-page applications using **AngularJS**.
* Created & hosted WCF Services and also used different bindings to make it available to different types of clients.
* Leveraged WCF mechanisms like Sessions, Instance management, and concurrency to make services more robust and scalable.
* Used ADO.NET Entity Framework Model as the Data Access Layer (Database First) and implemented the CRUD (Create, Retrieve, Update and Delete) operations, Mapping and executed stored procedures.
* Experience with performing database operations in MS Access databases.
* Structured the elements of computer programs, which expresses the logic of a computation with AngularJS without describing its control flow.
* Experience in implementing and setting up Disaster Recovery and High availability solutions like different Replication Models, Log Shipping, Clustering (Active-Active and Active Passive) and Database Mirroring on physical and virtual machines.
* API which is the application programming interface (**API**) for both the web server and web browser.
* Involve in **sprint planning, sprint demo and retrospective discussion.**
* Developed Web Forms on Website and Win Forms for Internal Windows Applications.
* Handled clustering between two Production Servers and performed daily backups and developed recovery procedures.
* Involved in setting up Transactional Replication and Snapshot replication.
* Configured Replication Server, worked on replication server
* Developed systems using .NET components and implemented the Data Access layers using ADO.NET. Used ADO.NET objects such as data reader, data adapter and dataset for consistent access of the data from data layer.

**Environment:** Visual Studio 2017, ASP.NET 4.0, C#.NET, WCF, MVC 4.0, SQL Server 2017, ADO.NET, IIS 7.0, Silverlight 4.0, Nunit, AJAX, XML, TFS.

**Pacebright Technologies Inc, India**

**.NET Developer Aug 2013- Aug 2014**

**Project Description:**

Developed and customized application business logic using C#, ASP.NET, and MVC, enhancing functionality and user experience. Worked on the Data Access Layer and presentation layer with HTML, JavaScript, and jQuery. Utilized Scrum methodology and 3-tier architecture for high-level design and troubleshooting. Implemented AJAX Toolkit controls and jQuery for improved user interaction, and migrated applications to MVC 3 with Razor view engine. Designed and developed SOA services using WCF, and performed database operations with LINQ, T-SQL, and SSIS. Generated complex reports with SSRS and used TFS for source control and documentation.

**Responsibilities:**

* Worked on application **business logic** for customization and added new functionality.
* Worked on the **Data Access Layer (DAC)** to retrieve data from databases in C# code.
* Worked on presentation layer using **HTML**, **JavaScript** and **jQuery.**
* Requirements at all stages of the **software development life cycle**.
* Used **Scrum** methodology and participated in **design** and **code** meetings.
* Used **3-tier architecture** and involved in high-level design, Trouble shooting, User Interface of the system.
* Used **ASP.NET AJAX Toolkit** controls and jQuery to improve user experience on pages.
* Developed new **web pages** using **ASP.NET**, **HTML**, and **CSS** for styling the **ASP.NET** pages.
* Used **jQuery** to call server side ASP.net methods from client side without any **post back**.
* Involved in migrating existing applications to **MVC 3** application using **C#** and **ASP.NET. ￼**
* Worked on a new view-engine option called **Razor** using **static HTML** (or any textual content) and then made it dynamic by adding **server code** to it.
* Designed and developed business Logic using **C#.Net** and **Visual Studio 2008**.
* Worked on **Data Adapter** and **Data Sets** in **ADO.NET** to access data in an application.
* Worked on new **user controls** and **custom controls** for code reusability on **web pages**.
* Involved in designing and development of **Service Oriented Architecture (SOA)** services using **Web Services/ WCF**.
* Involved in retrieving data using **LINQ to SQL** in the **object model** and sending them to the database for execution. Modifying and creating new **SQL scripts** and procedures in **SQL databases**.
* Involved in database **normalization** and created **SQL queries** to interact with the database.
* Worked on **T-SQL programming** and wrote **stored procedures**, **triggers** and **functions** in **SQL Server**. Involved in **ETL** solutions using **SSIS**.
* Wrote **SQL scripts** to alter tables and generated new columns for new requirements.
* Worked with **production team** and helped in identifying defects for critical issues.
* Worked on technical specifications and done unit testing of an application.
* Complex reports are being generated in **SSRS** using Ad-hoc and drill-down reports.
* Use **TFS** as code depository for our different solutions in ASP.NET application.

**Environment:** Visual Studio 2012, ASP.NET 4.0, C#, VB.NET, MVC 3.0, WCF, AJAX, JQuery, Json, Web Methods, Design Patterns, HTML, XML, CSS, Windows 7 Operating System, SQL Server 2008, T-SQL, ADO.NET, SSRS, LINQ, IIS, TFS.