**RAVITEJA CHAKILAM**

**Sr.NET FULL STACK DEVELOPER**

**PROFESSIONAL SUMMARY:**

* Having 8+ years of professional experience in the Software Development Life Cycle (SDLC), including planning, analysis, design, implementation, testing phases, and deploying the applications with architectural patterns Model View Control (MVC), Model-View-View-Model (MVVM), of Web Based, Client-Server, and N-tier applications with Agile, Scrum, and Waterfall.
* Well-versed in Microsoft technologies, including C#, ASP.NET Framework, ADO.NET, Entity Framework, LINQ, MVC, WCF, Visual Studio, and Microsoft SQL Server.
* Hands-on project experience applying SOLID principles and design patterns, including Lazy Loading, Factory, and Dependency Injection.
* Proficient in applying various design patterns such as the singleton pattern, Factory pattern and MVC pattern to enhance the scalability, maintainability, and reusability of .Net applications.
* Adapt in developing client-side application functionalities with rich GUI design, UI design and user-friendly design approaches, single page applications, responsive web pages with performance functionalities in the web applications using JavaScript, ReactJs, jQuery, AJAX, JSON, HTML 4/5, XML/XSLT/XHTML, Bootstrap with AngularJS 1.5/1.6 and Angular 2/4/6/9/10.
* Excellent Knowledge in handling ASP.NET for dynamic web apps, WPF to craft interactive desktop UIs, and EF for optimized database interactions. Seamlessly blend these frameworks to create solutions that excel in user experience and data management.
* Understanding the working of WCF, Web Services, and ASP.NET WEB API. The ASP.NET WEB API was utilized for data CRUD operations, and OAuth 2.0 was added to it for security authentication.
* Excellent knowledge in Object-Oriented Design (OOD) concept such as Abstraction, Polymorphism, Inheritance and Encapsulation, with programming skill such as C#.
* Proficient in Data Analysis, Design and ORM Data Modeling, using LINQ (LINQ to SQL, LINQ to XML), Entity Framework, ADO.NET.
* Adept in both RESTful architecture for agile client-server communication using HTTP and JSON/XML, and SOAP protocol for secure, enterprise-level applications demanding structured XML-based communication with advanced reliability features.
* Extensive experience in designing database schema in SQL Server and wrote SQL Queries, Stored Procedures, Joins, Triggers and Views in SQL Server using T-SQL.
* Proficient in a wide range of .NET data access technologies, including ADO.NET for low-level database operations, Entity Framework (EF) for ORM-based applications, and Entity Framework Core (EF Core) for cross-platform, efficient, and scalable data access.
* Extensive experience in designing database schema in SQL Server and wrote SQL Queries, Stored Procedures, Joins, Triggers and Views in SQL Server using T-SQL.
* Generated database reports using SQL Server Report Service (SSRS), integrated different data resources using SQL Server Integration Service (SSIS) and Data analysis using SQL Server Analysis Services (SSAS).
* Highly skilled in deploying diverse message queue platforms such as MSMQ, RabbitMQ, and Apache Kafka, to facilitate dependable and scalable asynchronous communication within distributed applications.
* Proficient in utilizing .NET testing frameworks, including both XUnit and NUnit, for writing comprehensive unit and integration tests, ensuring the reliability and quality of software applications.
* Experience in using build tools such as npm, gulp and testing tools such as Jasmine and karma.
* Having experience on Microsoft the server IIS and have good knowledge of application deployments over cloud services on Azure and AWS, using VS and PowerShell.
* Skilled in version control tools like Git and TFS for efficient source code management and collaboration.
* Having professional expertise in the banking and finance, travel, manufacturing, and health care fields.
* Have outstanding problem-solving, strategic thinking, and data analysis skills, as well as strong relationship management abilities. Results-oriented with excellent communication skills.

**TECHNICAL SKILLS:**

**Programming Languages:** C, C#.Net (4.0/3.5/3.0), VB.NET (10.0/9.0/8.0/6.0), C++, Java, HTML, T-SQL, PL/SQL.

**Web Technologies:** ASP.NET 4.0/3.5/3.0/2.0, ASP.net MVC, MVP, Ajax 3.0/2.0, JavaScript, Blazor, jQuery, React JS, Node JS, VB Script, bootstrap, Angular JS, Angular 2/4, HTML, CSS3, JSON.

**.Net Frameworks:** .Net Framework 4.6/4.5/4.0/3.5/3.0/2.0/1. X, ASP.NET.

**ORM Frameworks:** ADO.NET, Entity Framework, Entity Framework Core.

**Architectural Patterns:** MVC, Factory, Layer Pattern, Singleton.

**Databases:** Microsoft SQL Server 2012/2008, MySQL, Oracle.

**Version Control Tools:** SVN, Team Foundation Server 2013, GitHub.

**Web Servers\ Cloud Services:** Microsoft IIS Server\ Microsoft Azure, AWS.

**Data Access Technologies:** ADO.NET, Entity Framework, LINQ.

**Development Environments:** Microsoft Visual Studio, Microsoft Visio, SQL Server Management Studio.

**Testing Tools:** jasmine, Karma.

**Reporting Tools:** SQL Server Reporting Services (SSRS 2008/2005), SSIS, Crystal Reports (2010/09/8.5/8).

**Web Protocols\ Operation System\:** HTTP, SMTP, SOAP, FTP, TCP/IP \ Windows 7/8/10/2000//Vista/XP.

**PROFESSIONAL EXPERIENCE:**

**GDIT Rensselaer, NY April 2022 to Present**

**Full Stack Sr .Net Developer**

**Responsibilities:**

* Proficient in orchestrating software development projects through various phases of the **SDLC**, leveraging **Agile** methodologies, and utilizing **JIRA** for efficient project management and issue tracking.
* Designed and Consumed XML Webservices using **Microservices** and Developed Logging and Monitoring for **Microservices** by **fluentd**.
* Designed and developed UI using **Asp.Net**, **MVC6**, **AngularJS**, JavaScript, jQuery, **C#.Net**, **AJAX**, HTML5, CSS3.
* Design and developed **Single Page Applications** (SPA) from scratch based on client-side **JavaScript, Bootstrap, jQuery and Angular 11**.
* Deployed **Angular11** applications to various hosting platforms and integrating with **CI/CD** pipelines for automated builds and deployments.
* Developed the landing pages of the application with **HTML** and **CSS** along with **jQuery** for custom animations.
* Extensive experience in building **RESTful** **APIs** using **ASP.NET Web API**, including route configuration, request/response handling, and content negotiation.
* Implemented authentication and authorization mechanisms, including **OAuth**, **JWT** (JSON Web Tokens), and **API key** authentication, to secure APIs effectively.
* Created **REST** **Web API** web services to post and consume data between **SQL** using **C# MVC 5** application.
* Developed microservices-based architectures with **.NET Core 4.5**, promoting modularity, scalability, and maintainability of the application.
* Implementing data driven server-side code in clean-code-architecture design using **REST APIs, C#, ASP.net core, MVC 6 and LINQ in .Net framework.**
* Using dependency injection in **.NET Core**, improved testability and separation of concerns in application code.
* Implemented **CRUD** (Create, Read, Update, Delete), sorting, filtering and paging functionality using Entity Framework in **ASP.NET**, **MVC 6**.
* Used Entity Framework Core for database access, including data modeling, migrations, and LINQ queries.
* Implemented various messaging patterns, including publish-subscribe (Pub/Sub), point-to-point, and request-reply, to enable asynchronous communication between distributed applications.
* Used **Azure Management APIs** to create an Azure Resource group and give users role-based access control.
* **CI/CD** pipelines were Implemented as code using **Jenkins file**, enabling version control and reproducibility of build and deployment configurations.
* Using Azure cloud resources using Azure Resource Manager (**ARM**) templates, **PowerShell** and **Azure CLI**.
* Application containerization using **Docker** and deployment to Azure Container Instances (**ACI**) or Azure Kubernetes Service (**AKS**) for container orchestration.
* Implemented and performed Unit Testing at each level of application development using **NUnit** tool**.**
* Developed custom charts for Credit Analytics module using **PhantomJS** and High Charts to generate reports in different formats.
* Applied **OAuth 2.0** in the **ASP.NET Web API** for security authentication.
* Developed modules by applying Object Oriented Programming (**OOP**) techniques using Polymorphism, Encapsulation, and Inheritance.
* Used **Postman** for rigorous API testing and **Swagger** for meticulous API documentation, ensuring both the functionality and clarity of APIs across the development process.
* Responsible to maintain and track versions of source code using Team Foundation Server (TFS).
* Developed module in Report Builder to export reports into various formats in SSRS.

**ENVIRONMENT**: Visual Studio 2017/2019, .NET Framework 4.5, .NET Core, MVC 6, C#, Java Script, jQuery, SQL Server 2017, Team Foundation Server (TFS), HTML5, CSS3, OAuth 2.0, JIRA, Unity, Postman, ADO.NET Entity Framework, Angular, SSRS, Jasmine, Karma, LINQ, GIT.

**Experian, Costa Mesa, CA November 2019 to March 2022**

**.Net Full Stack Developer**

**Responsibilities:**

* Involved in the complete Software development Life Cycle (**SDLC**) including Analysis, Design, Implementation, Testing and Maintenance with **AGILE methodology**.
* Developed front-end project using **HTML5**, **CSS3**, **jQuery**, **JavaScript**, **Angular**, **TypeScript** and **Ajax**, Supported with **C#.NET, ASP.NET Web API**.
* Created middleware component classes across the enterprise and integrated in UI using **MVVM** pattern.
* Built cross-platform applications that run on Windows, macOS, and Linux using **.NET Core**, ensuring broad platform compatibility.
* Created **WCF** **Services** responsible for communicating and providing real time data from integrated server to Client Application and required data in the form **JSON** format, parsing the data using objects and arrays.
* Designed and built **RESTful APIs** with **ASP.NET Core**, ensuring well-structured and maintainable endpoints.
* Configured **CORS** (Cross-Origin Resource Sharing) policies to enable secure cross-origin requests in web applications consuming **RESTful APIs**.
* Applied **Angular** modules **lazy loading**, create decoupled custom modules to hold its specific modules and applied keyword Load Children in the routing paths.
* Enhanced user experience by designing new web features using **MVC Frameworks** **Angular 2**.
* Applied **Angular11** Form Validation to do input form validation and using Form Builder, Form Group, Form Control and Validator, using **NgIf** and **NgClass** to display the errors or hints.
* Created and configuring virtual machines (**VMs**) in **Azure**, including Windows and Linux VMs, with a focus on scalability, security, and performance.
* Configured Azure Virtual Networks, Azure Load Balancers, Azure Application Gateways, and VPN gateways for network connectivity and security.
* Built **WCF** clients to make synchronous calls to Web Services over **SOAP** and **HTTP**.
* Worked on **SQL** queries and optimization techniques to improve the Performance of the application and crystal reports using **SSRS**.
* Responsible for enhancement of critical batch processing applications running in Perl and Shell Scripting.
* Implemented **WEB API** Services for **CRUD** operations with **HTTP** verbs **GET, POST, PUT** and **DELETE** and used Postman to test the service.
* Used **LINQ** to retrieve information from the data files and various data sources.
* Implemented Unit Testing at each level of application development. Performed unit testing using tool **XUnit** and system testing.
* Used **Web API** to interact with data layer to access data from the database.
* Used **GIT** for version control, and tested **ASP.NET WEB API** web services data by using **Postman**.

**Technology** Stack: Visual Studio 2017, SQL Server 2015, ASP.NET Web API 2.1, HTML5, CSS3, jQuery, C#, JavaScript, ADO.NET Entity Framework 6.0, Object Oriented Design (OOD), MVVM, WCF, WPF, REST, Unity, JSON, AJAX concepts, Angular 2, Bootstrap3.3.7, Jasmine, Git, SQL Server 2012/2014, SSRS, SSIS.

**Merck Pharma, Branchburg, NJ April 2017 to October 2019**

**.Net Full Stack Developer**

**Responsibilities:**

* Developed applications using **ASP.NET**, **HTML**, **XML**, **Angular**, **JavaScript**, **C#**, **LINQ** to **SQL**, **ADO.NET**.
* Developed Web pages in **ASP.NET** with **jQuery** UI Controls for improved presentation and performance.
* Experienced in Front End and Back End designing using **MVC** Scaffolding Pattern.
* Implemented .NET Web Services that retrieves data and stores them into **SQL** Server.
* Using **ReactJs** as the frontend JavaScript library for developing contemporary and dynamic web applications.
* Integrated **Redux** for complex state management, actions, and reducers in larger applications, ensuring a scalable and organized codebase.
* Integrating **React** applications with **RESTful** **APIs** using Fetch API to retrieve and display dynamic data.
* Used **LINQ** to query against strongly typed collections of object and various data source, **XML** documents, Web services, **ADO.Net** Objects and Entity Framework 4.5.
* Used jQuery core library functions for the logical implementation part at client side for all the applications.
* Used SQL Server as back-end along with **ADO.NET** Entity Framework and LINQ to access the database tables.
* Used Test Driven Development (**TDD**) approach.

**Technology Stack:** .Net Framework 4.0, C#, XML, MVC, Visual Studio 2008R2, ReactJs, HTML, CSS, JavaScript, Bootstrap 3, jQuery, SQL, Git, Postman, LINQ.

**Ceequence Technologies Hyderabad, India October 2015 to January 2017**

**.Net Full Stack Developer**

**Responsibilities:**

* Worked on Expense Management Application with modern web technologies like Bootstrap, **HTML**, **Angular2**, **Asp.Net Web API**, MS DAL Framework, WCF Service.
* Created Responsive UI design using **Bootstrap** and **Angular** material design.
* Designed serverless architectures using **AWS** Lambda, **API** Gateway, and other services for cost-effective and event-driven application development.
* Performed querying to database using **LINQ** to **SQL** and querying to **XML** files using **LINQ** to **XML**.
* Experienced in Front End and Back End designing using MVC Scaffolding Pattern.
* Troubleshooted **SSMS** setting up/connection issues for other team members.
* Used List, Trees, Toolbars, Menus and Context Menus for navigating between windows in WPF.
* Used **SSRS** for reporting in **SQL** and **SSIS** for transferring data.
* Used **TFS** for version Control and source code maintenance needs.
* Involved in the Unit and Integration testing.

**Technology Stack**: .NET Framework 3.5, Visual Studio 2010, MVC4, C#, JavaScript, jQuery, Web Forms, SQL Server 2008R2, TFS, HTML, CSS, HTML, IIS, LINQ, JSON.

**Avon Technologies Pvt Ltd Hyd India June 2014 to September 2015**

**.Net Developer**

**Responsibilities:**

* Used C#, data grids and **XML** to pull the data from the database and display it on the UI.
* Deployed the **3-Tier Architecture** Application with UI, Business Layer and Data Access layers using C#.NET.
* Designed and developed various abstract classes, interfaces, classes to construct the business logic using C#.
* Used **WCF** Service to interact with business logic and Database to provide response to Presentation Layer.
* Extensively worked with ASP.NET Web Site Administration Tool to create Roles, Login Controls, Authentication and Authorization for Site Security.
* Actively participated in application development using **C#**, **Java Script**, **XML**, **jQuery**, and **SQL** Server.
* Worked with User controls, Web controls, List controls, Wizard controls, Master Pages, Data controls in ASP.NET for the front-end forms.
* Designed Web Forms, User Controls, and **AJAX** Web forms using ASP.NET 4.0.
* Involved in Hosting the **WCF** service Website in IIS 6.0.

**Technology Stack**: Visual Studio 2010, C# .Net 3.5, Web Services, jQuery, IIS6, JavaScript, HTML, CSS, AJAX toolkit, Oracle Developer, TFS

**EDUCATIONAL QUALIFICATIONS:**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY** **AUG 2010 – MAY 2014**

Bachelor’s degree in computer science engineering.