**Ajay Reddy**

**.NET Full Stack Developer**

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PROFESSIONAL SUMMARY**:**

Over **5+ years** of extensive experience designing and developing Web Applications, Web Services, and Client/Server Applications using Microsoft .Net technologies.

* Proficient in Multithreading, Object Oriented Programming (OOPS), Object-oriented analysis, and design (OOAD).
* Expertise designing and developing applications using .NET Technologies like C# .NET, VB.NET, .NET Core, ASP.NET, ADO.NET, MVC, **LINQ**, Entity Framework, and Visual Basic.
* Skilled in databases like **MySQL, DB2, Oracle, Microsoft SQL Server**, and **NoSQL DB** (Mongo DB and Cassandra).
* Experience **implementing object-oriented analysis and design techniques (OOAD)** concepts in applications.
* Expertise in Developing, Publishing, and consuming Web Services using **ASP.NET** Web Services technology.
* Experience designing and developing applications using **MVC, MVVM, Singleton, and Factory** design patterns.
* Expert in consuming and publishing **Windows Communication Foundation (WCF)** services and defining Service, Operation, Data, and Fault Contracts.
* Expertise in developing applications to access data (**D**ata **A**ccess **L**ayers) and data services using **ADO.NET and ADO.NET Entity Framework**.
* Well-versed in designing and developing web and Windows-based applications using HTML, HTML5, CSS3 DHTML, Ajax, JSON, JavaScript, jQuery, Angular JS, React JS, Knockout JS, Node JS, Bootstrap, WCF, WPF, SOAP, REST, WSDL, Razor Views, Web API in a Client/Web server environment and project deployment in IIS, Apache, Nginx, and Kestrel.
* Experience in designing and developing **Microservices** for business components using the .NET framework.
* Competent in designing and developing cloud-optimized **ASP.NET Core** enterprise **web applications** and **Web APIs** using **.Net core.**
* Experienced in Windows Communication Foundation **(WCF),** exposure to Windows Presentation Foundation **(WPF),** and Language Integrated Query **(LINQ).**
* Good knowledge of **AWS cloud services** (EC2, S3, EBS, RDS, ELB, Route 53, Auto scaling, Security Groups, VPC, CFT, SQS, SNS, Glacier, Lambda) and **Microsoft Azure**
* Experience in creating and configuring **Jenkins** jobs for builds and release pipelines.
* Knowledge of Source Code Control Systems like **TFS** (Team Foundation Server), **GIT**, and **VSTS.**
* Hands-on experience using **NUnit** to test and detect possible problems for related applications and used Fiddler to test application performance and **debug Web APIs.**
* Worked thoroughly under Agile, Scrum, Kanban, and Waterfall methodologies to meet the deliverable successfully.
* Experience working with **Crystal Reports** and **SQL Server** **Reporting Services** (SSRS).
* Ability to work effectively in a team as well as independently. Self-motivated, analytical, and curious. Excellent interpersonal and communication skills.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C# .NET, VB.NET, Visual Basic, C, C++, R |
| **.NET technologies** | ASP.NET, ADO.NET, MVC, LINQ, Entity Framework |
| **Web Technologies** | HTML, HTML5, CSS3 DHTML, Ajax, JSON, JavaScript, jQuery, Angular JS, React JS, Knockout JS, Node JS, Razor Views, Bootstrap, WCF, WPF, SOAP, REST, WSDL, Web API |
| **Scripting Languages** | JavaScript, JQuery, Visual Basic Script, Power shell scripting. |
| **Databases** | SQL Server, Oracle, MySQL |
| **Design Patterns** | MVC, MVVM |
| **XML Technologies** | XML, XSLT, XPATH, XSL, LINQ to XML, XAML |
| **Cloud** | AWS, Microsoft Azure |
| **Source Repositories** | SVN, TFS, VSS, GitHub, Visual Source Safe |
| **Methodologies** | Agile/Scrum, waterfall, and TDD |
| **IDE, Testing, and other tools** | Visual Studio, NUnit, Jenkins, Docker, JIRA |
| **Web Servers** | IIS, Apache, Nginx, and Kestrel |
| **Operating Systems** | Windows, Unix, Linux, Mac OS |

**PROFESSIONAL EXPERIENCE:**

**AIM Specialty Health, Chicago, IL Aug 2022 – Present**

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**Roles & Responsibilities:**

* Involvement in various phases of the application's Software Development Life Cycle (SDLC), like Requirement gathering, Design, Analysis, Code development, and Application Customization.
* Work on ongoing upgrades to the web applications using **C#, VB.NET, .NET core, Visual Studio, ASP.NET Core, MVC, WPF, MVVM, XAML,** and Web Service (**SOAP, WSDL**).
* Use Object Oriented programming concepts to develop classes, objects, methods, interfaces, packages, and reusability in an object-oriented paradigm.
* Conducted a comprehensive analysis of existing databases in both Oracle and SQL Server to identify data structures, dependencies, and potential migration challenges.
* **Facilitated seamless data migration by proficiently utilizing Oracle and SQL Server databases, ensuring the efficient transfer of large datasets while maintaining data integrity and minimizing downtime.**
* Development of ERP solution using architecture and **Microservices**.
* Work on end-to-end in **C#, .NET Framework, WPF,** and **ADO.NET/Entity Framework**.
* Developed User Interface using **.NET** and extensively worked with win forms using **VB.NET**.
* Implemented validation using validation controls and **JavaScript** client slide validation.
* Implemented **Restful** Web Services, **web API,** and **WCF.**
* Effectively employed Entity Framework technology to manage data retrieval, querying, storage, and manipulation.
* Proficient in utilizing LINQ statements, views, User Defined Functions, and Stored Procedures for seamless operations, including creating, inserting, updating, and deleting data within relational tables.
* Developed ASP.NET Web service, Web Application, and Windows application using C#.NET and VB.NET in .NET 6 framework.
* Developed reports with Crystal Reports using multiple data sources such as **SQL database, oracle**, **XML**, and **JSON.**
* Have created and used **Winforms** to create functionality in the networking module.
* Designed and utilized **WCF** Services to implement a Service-Oriented Architecture (SOA) for effective communication between diverse applications.
* Designed and developed application components using **React JS**.
* Involved in writing application-level code to interact with **APIs** and **RESTFUL Web Services** using JSON and involved in consuming Restful APIs and processing JSON data for rendering in UI.
* Created dynamic web pages that are more user-interactive using ASP.NET, C#, .NET 6, VB.NET, MVC, HTML5, XML, JavaScript/Typescript, VBScript, Razor Views, React JS, Node JS, CSS3, AJAX, Bootstrap, Express, and server controls.
* Designed the front end and redeveloped the existing module with React by writing the code in Typescript for **SPAs.**
* Knowledge of XML-related technologies such as XML/XSL, XSLT, DTD, XML Schema, DOM, SAX, SOAP, WSDL, Web-Services, and VBScript.
* Develop and deploy using PowerShell scripts using **Azure**. Developed PowerShell scripts for automated deployment of designed packages.
* Utilized Azure services like Azure App Service, Azure Functions, and Azure Key Vault to build secure, robust cloud-based solutions.
* Collaborated with cross-functional teams to define data mapping strategies, ensuring seamless migration from Oracle to SQL Server.
* Utilized **Azure DevOps** as a Continuous Integration and deployment for the higher environments and **Jira** for defect tracking.
* Implemented performance optimization techniques during migration, fine-tuning SQL queries and indexes to enhance database performance on the SQL Server platform.
* Use **CEQ** design patterns in microservices and break monolithic applications into microservices.
* Developed, built scripts, maintained, and scaled infrastructure for Dev, QA, and Production environments.
* Used app insights for logging and debugging microservices.
* Use version control tools like **GIT, TFS,** and VSTS to manage the code repository and deploy the application to different environments.

**Environment:** C#, VB.NET, .Net core, Visual Studio, ASP.NET Core, MVC, WPF, MVVM, XAML, SOAP, WSDL, HTML5, CSS3, React, Typescript, JavaScript, AJAX, JSON, XML, XSLT, Azure, PowerShell, WCF, Web API, LINQ, Entity Framework, Active Directory, GIT, VSS, Oracle, SQL, Visual Studio, SSRS, Nunit, Azure DevOPs, Jira, Agile.

**KPMG, Chicago, Illinois Feb 2020 -July 2022**

**.NET Full Stack Developer**

**Roles & Responsibilities:**

* Used various VB.Net server controls and data controls. Customized .NET Login Controls to implement authentication and authorization.
* Scalable data design for MongoDB and Redis, caching in MongoDB with Redis Cache Using Spring Boot
* Writing front-end code like HTML, CSS, JQuery for assigned User requirements using BackboneJS, AngularJS and various other JavaScript frameworks.
* Worked as production support team to resolve production issues caused by data, UI code and backend code.
* Worked on single page applications in MVVM way using AngularJS6.0, BackboneJS. Created different views for the screens in HTML 5. Created controllers to use in angular 8/9/10 views, created angular8/9/10 based http services to consume Web API& also used jQuery-based Ajax.
* Worked on designing the architecture of API’S and created a RESTful Web API service using ASP.NET Web API to generate data for the EMS which was then consumed in the front-end by Angular 8/9/10.
* Using Swagger and POSTMAN to test the Web API RESTful Service
* Used Oracle JDeveloper to support JAVA, JSP and HTML codes used in modules.
* Hand-on Experience on High Availability Methodologies for Azure Cloud and SQL 2014 AOAG
* Migrated the existing SharePoint sites to .Net MVC with Azure cloud environment.
* Wrote conversion scripts using SQL, PL/SQL, stored procedures, functions, and packages to migrate data from SQL server database to Oracle database.
* Experience in using Data Grid controls for displaying dynamic data.
* Implemented and enforced security protocols for access control, authentication, and encryption of PHI in compliance with HIPAA regulations.
* Utilized Microsoft technologies such as C#, .NET Framework, and SQL Server to develop robust and scalable healthcare applications, while maintaining compliance with HIPAA and PHI standards.
* Developed Data Centric Application using ADO.NET, Used Ajax, CSS, JavaScript, and Bootstrap for the front-end web development. Knowledge of Asp.net page life cycle and using it in accurate way.
* Used bindings to control the construction of the Windows Communication Foundation (WCF) channel stack at runtime.
* Implemented Network traffic rules and Access Control Lists (ACL) for Virtual Network in Microsoft Azure Cloud Service Platform.
* Gathered requirements, involved in design/development/testing and documentation of various CRM/.NET. /MS Dynamics tasks.
* Ensured that any new software CRM integration into company systems meets functional requirements, system compliance, and interface specifications.
* Designing, implementing, and supporting fully automated Continuous Integration and Continuous Delivery processes using Azure DevOps
* Design, develop and build applications using React and Redux consuming the payloads received from the ASP.NET Web API Core 2.0.
* Implemented security best practices for CMS platforms, such as secure authentication, user authorization, and data encryption.
* Worked for Devops Platform team responsible for specialization areas related to Chef for Cloud Automation
* Analyzed and designed new WPF application using MVVM and Repository pattern, from design to completion. Migrating an existing on- premises application to Azure.
* Used LINQ to SQL (object relational mapping) for integrating data validation and business logic rules into data model. Used Angular 8/9 Bootstrap for rich user interface and faster performance.
* Worked with VB.NET Web Forms, Web Services, State Management, caching features, and configuring optimizations for securing the web application.
* Worked in customizing and extending CMS platforms to meet the unique needs of healthcare clients, such as HIPAA compliance, patient privacy, and electronic health records (EHR) integration.
* Used the Node.js, Angular.js, backbone.js and Require.js MVC Frameworks in the development of the web applications.
* Devise, coordinate, and conduct data-cleansing initiatives to purge and eliminate corrupt or redundant information from CRM database.
* Created the UI layers and web pages and integrated them to maintain the performance of data flow and data integrity using ASP.NET User Controls, Web Server Controls.
* Developed and Implemented Master pages in the application for designing Presentation Tier (web pages).
* Designing, implementing, and supporting fully automated Continuous Integration and Continuous Delivery processes using DevOps.

**Environment:** C#, ASP.NET, MVC, NET core, VB.NET, ADO.NET, HTML5, CSS3, JavaScript, SOAP, REST, AWS, WCF, Web API, LINQ, React JS, Entity Framework, Active Directory, GIT, VSS, Oracle, SQL, Visual Studio, SSRS, Nunit, Jenkins, Jira, Agile.

**Uline, Pleasant Prairie, WI Feb 2019 -Feb 2020**

**.NET Developer**

**Roles & Responsibilities:**

* Developed and supported the application in C#, .NET 6.0/5.0, ASP.NET Core, Entity Framework Core, Angular 11, CSS, JavaScript, and Visual Studio 2022/2019.
* Mastered in Web Service, WCF Service, and Web API using SOAP and RESTful Service.
* Expert at .NET web technologies such as C#5, ASP.NET 4.7.1, Web Form Framework, MVC 5.0, and AngularJS.
* Implemented UI using ASP.NET, C#, .NET, VB.NET, MVC, HTML5, XML, JavaScript/Typescript, VBScript, Razor Views, React JS, Node JS, CSS3, Angular JS, Angular, AJAX, Bootstrap, Express, and server controls.
* Developed the application using .NET Core 2.0.3, MVC Web API, Razor, C#, Ajax, Html5, CSS3, JSON, and LINQ.
* Build middleware to access identity information from tokens per request and interact with identity management API for authentication calls.
* Used ReactJS to create controllers to handle events triggered by clients and send request to server.
* Migrated data from on-premises data servers onto Microsoft Azure cloud platform utilizing Azure data factory and Deployed .NET application to Microsoft Azure Cloud Service project as part of cloud deployment.
* Responsible for developing the Data Access Layer (Model) using Entity Framework Core, LINQ to Entities, and C#.
* Collaborated with database administrators to optimize SQL Server configurations for OpenShift environments.
* Extensively used stored procedures, Views, and User-defined Functions to store and retrieve data from Azure COSMOS DB cloud data stores.
* Coordinating and tracking all projects for seamless releases using Project Management System JIRA, Source Code Management System Azure DevOps, and Document Management System SharePoint.
* Worked using XML-related technologies such as XML/XSL, XSLT, DTD, XML Schema, DOM, SAX, SOAP, WSDL, Web-Services, and VBScript.
* Expertise with web-based GUI architecture and Development using JSP, Tag libraries, HTML, CSS, Bootstrap, AJAX, J-Query, Angular 11 & 12, C#, JavaScript, J2EE, and hibernate.
* Wrote complex Oracle and SQL queries, views, stored procedures, and functions. Familiar with MongoDB cloisters, Performance tuning, backup, and recovery.
* Used Azure Docker container for the release definition to host. Build and maintain code repositories and code migrations using CI/CD strategies (GIT, SVN, CSV, Jenkins)
* Wrote test cases using unit tests, including N-Unit, to validate development releases with Test-Driven Development (TDD) methodology.
* Having good experience in undergoing various testing methodologies like Automation Testing, Manual Testing, Functional Testing, System testing (on IE, Chrome), Regression Testing, User Acceptance Testing, Backend Testing, API Testing, and Web Services testing.

**Environment**: .NET, ASP.NET Core, React JS, ADO.NET, C#, JavaScript, Visual Studio, WCF, Web API, SOAP, RESTful, HTML5, XML/XSL, XSLT, VBScript, Razor Views, CSS3, Angular 11, AJAX, Bootstrap, Azure, LINQ, Entity, JIRA, MVC, Oracle, SQL, JSON, xUnit, Visual Studio, GIT, TFS, Agile, scrum.

**Education:** Master’s in Computer Science, University of Central Missouri.