**Madhuri Reddy**

**Full Stack .Net Developer**

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**Professional Summary:**

* .NET Developer with 5+ years of experience in software development life cycle (SDLC) involving Analysis, Design, Development, Testing, Implementation and production Support.
* Expertise in designing and developing Windows-based applications and Web-based applications using ASP.NET, ADO.NET, C#, MVC and SQL Server.
* Proficient in frontend frameworks like React.js and Vue.js.
* Proficient in utilizing .NET Core for building high-performance applications.
* Extensive experience in RESTful API development.
* Strong background in microservices architecture.
* Experienced with Blazor for building interactive web UIs.
* Exceptional skills in Analysis, object-oriented design, development and implementation of Web Applications.
* Experienced in developing and implementing .Net5 and .Net6 based solutions and strategy.
* Windows Applications using ASP.NET, Web Services.
* Experience in performance tuning and optimization of applications.
* Expertise in implementing Object Oriented Programming (OOP) Concepts.
* Proficient in C# for backend development, leveraging .NET frameworks for robust applications.
* Expertise in Angular for building dynamic, responsive front-end interfaces.
* Familiarity with other backend languages such as Python and Node.js.
* Developed SPAs using Angular, optimizing performance and user experience.
* Implemented services and dependency injection in Angular for modular code.
* Extensively worked with ADO.NET to connect SQL Server and Oracle using Connection, Command, Data Adapter, Dataset, Data View, Data Row, Data Grid, Data Column, Data Reader, Constraint and other Database Objects.
* Experience with NoSQL databases such as MongoDB or Cosmos DB.
* Experience in advanced JavaScript/UI frameworks like Angular 2, Angular 13, Angular Material Bootstrap/UI, JSON and jQuery.
* Created JSON based Azure Resource Manager (ARM) templates, Used them for deployments.
* Good understanding of storage concepts. Experience in designing and implementing Azure Storage.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services. Azure.
* Knowledge of Kubernetes for container orchestration.
* Experienced with CI/CD pipelines, especially using Azure DevOps.
* Experienced in developing applications using ASP.NET MVC 5/4/3 framework
* Experienced in Angular factories and used Angular promise API for making a sync call.
* Strong experience with logging and monitoring tools like ELK Stack or Splunk
* Experienced in developing Web and Client/Server Applications based on Microsoft .NET Technologies and expertise in implementing N- tier Architecture.
* Strong experience in using ASP.NET Web applications involving User controls, Server controls, ASP.NET State Management.
* Experienced in design patterns best practices and .Net5 and .Net6 framework library.
* Developed web based and windows-based applications using ASP.Net, C#.Net, Handle Bars JS, ADO.Net, Web Services, IIS, JavaScript, HTML, XML.
* Proficient in working with Angular 13, 10 to create Single Page Applications (SPA).
* Experience in Team Foundation Server (TFS).
* Experience in development using .Net 5 and .Net6.
* Used JIRA for reporting daily status in Agile SCRUM environment & SharePoint for reporting issues with Vendors.
* Experienced in Production Support and able resolve the issues sooner.
* Experience with version control systems such as Git
* Familiarity with TDD (Test-Driven Development) and BDD (Behavior-Driven Development)
* High commitment and conformance in delivering high quality applications and adhering to deadline.
* Good understanding of Agile, Scrum, Waterfall methodologies.
* Excellent oral, written organization and multitasking skills with proven ability to learn, program and use new

technologies.

**Technical Skills:**

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| **Programming Languages** | C#, Java, VB.NET,VB,PL/SQL |
| **Web Technologies** | ASP.NET, ASP.NET MVC,ASP.NET API, ASP.NET CORE, HTML, CSS, Javascript, JQuery, Angular,ReactJs, Bootstrap, JSON, AJAX |
| **IDE Tools** | Visual Studio **2019-2008**, SQL Server Management Studio (SSMS), SQL Server Business Intelligence Development Studio (BIDS), Eclipse |
| **Databases** | SQL Server 2014-2005, Oracle 12c, Access, MySQL |
| **Reporting Tools** | SQL Server Reporting Services (SSRS), Crystal Reports |
| **Modeling Tools** | UML, Microsoft Visio 2013-2007 |
| **Version Control Tools** | SubVersion (SVN), Team Foundation Server, GITHUB |
| **Middleware** | WCF, ADO.NET, Web Services (RESTful, SOAP, XSLT, Web-API) |
| **ETL Tools** | SQL Server Integration Services (SSIS), Ascential Datastage |

**Professional Experience:**

**Anoka County, MN**

**Full Stack .NET Developer Sep 2024 - Present**

**Responsibilities:**

* Gathered requirements through interaction with all the relevant teams and prepared high-level design and detailed design documents.
* Designed the application as a three-tier application with UI in the presentation layer, Business logic in the middle layer and Database activity in the third layer.
* Implemented MVC architecture to isolate Business Layer, Presentation Layer and Data Layer.
* Designed and developed various classes in C#.NET to implement business logic and handle events.
* Developed Various Templates and Web Pages for Web Applications using ASP.NET, C#, XML, and Java scripting.
* Used C#.NET and ADO.NET to define and implement secure middle-tier components using both connected and disconnected environment strategies.
* Created and deployed XML Web Services using ASP.NET. Consumed Web Services from both Windows forms and ASP.NET web applications.
* Worked with ASP.NET Web Forms, State Management, Caching features, for optimization and configuration of the web application using C#.NET.
* Extensively Used. ASP.NET controls like Master Page Templates, Menu Controls, Grid View Controls and File Upload Controls.
* Designing and development of various Classes in C#.NET to implement the business logic and event handling.
* Developed an MVC application using Razor syntax for view engine.
* Implemented UI layer using partial views, views, and layouts, themes by using Razor, Bootstrap, and HTML5.
* Contributed in unit testing, bug tracking for web-based applications, TFS for Source control. Implemented Caching, Exception and Custom Error Handling using ASP.NET and C#.NET.
* Developed N-Tier architecture application with Presentation, Business and Data Access layers using ASP. NET MVC, Web API and Entity Framework.
* Designed dynamic web pages using HTML5, CSS3, JavaScript, jQuery for single page applications (SPA). Developed customized directives which could be reused by all teams. Developed reusable Angular components like headers, footers, custom alert, and communication thread components for UI Screen development.
* Design cloud solutions for various system components using Microsoft Azure.
* Developed storage availability windows application using C#.NET MVC, LINQ, Web API, Azure Tables and Azure Data Explorer.
* Upgraded single page application from Angular 11 to Angular 12.
* Created the Web API controllers in ASP. NET MVC to build, maintain Restful API's, also consumed API's client side using Angular data binding.
* Used Forms Authentication to authenticate the user, created test plans and performed unit and regression testing on the application.
* Involved in the complete life cycle of the Project and the application code was developed in C#.NET.
* Implemented enterprise integration with Web Services using SOAP and REST.
* Created database maintenance plans for the performance of SQL Server including database integrity checks, update database statistics, re-indexing and data backups.
* Interacted with SQL Server for acquiring and manipulating data using an intermediate web service implemented using WCF.
* Involved in the deployment of project on the development and production Web servers.
* Used Team Foundation Server (TFS) for source code management.
* Generated logs by invoking events for error recording and security.

**Environment:** .Net framework 4.7, ASP.NET, ADO.NET, C#.NET, Web API, WCF, Azure, LINQ, Razor, HTML5, CSS3, JavaScript, Angular 11/12, Bootstrap, Visual studio, TFS, Entity Framework, SOAP, REST, SQL and Windows.

**UL Solutions, Newton, IA**

**Full Stack .Net Developer Dec2021 to Aug 2024**

**Responsibilities:**

• Designed and developed web-based applications focused on compliance testing and certification systems, utilizing C#, ASP.NET Core, and Angular to streamline processes and enhance user experiences.

• Built and optimized RESTful APIs to improve data sharing between safety testing tools and client applications, enabling seamless integration and reliable performance.

• Implemented features for certification management platforms, ensuring accuracy in safety and compliance documentation using Azure SQL and Entity Framework.

• Utilized Azure DevOps to automate CI/CD pipelines, reducing deployment times and minimizing errors in production.

• Developed modular components using ReactJS and Angular to improve reusability and maintainability across UL Solutions’ applications.

• Enhanced user experience by implementing dynamic dashboards and reporting systems using Power BI and custom .NET solutions.

• Collaborated with cross-functional teams, including compliance officers, product engineers, and QA teams, to meet safety standards and certification deadlines effectively.

• Conducted extensive performance tuning and optimization of applications to handle large datasets related to product safety testing and certifications.

• Supported data migration projects, transferring legacy systems to modern, scalable solutions on Azure Cloud platforms.

• Followed Agile methodologies, actively participating in sprint planning, daily standups, and retrospectives to ensure high-quality deliverables aligned with client requirements.

**Environment:** Visual Studio 2022, .NET Framework 4.7/4.8, .NET Core 3.1/6.0, SQL Server 2014, C#, ASP.NET MVC 5.2.2, Entity Framework, Azure DevOps, Angular 13, React 17.0.1, Docker, Microservices, Power BI, MongoDB, Jira, Agile Methodology, Jenkins, SignalR, OWASP Guidelines.

**Client: Amdocs, India**

**.Net Developer Aug 2019 to Nov 2021**

**Responsibilities:**

* Involved in all stages of Software Development Life Cycle (SDLC) including designing, coding, testing, and implementing the application following Scrum (Agile) methodology.
* Developed APIs in Micro-Services architecture using Azure functions with ASP .NET Core and C# as the programming language.
* Involved in Requirements gathering, Development, Testing, and delivery of application.
* Used Agile Scrum project for the risk data team and assigning print work item to developers and conducting sprinter view meeting.
* Implemented Web Services to integrate the client systems using WCF.
* Configure Azure cloud servicefor end point deployment.
* Designed and developed web applications using Angular, Prime NG, and .NET C# API, resulting in improved user experiences and increased efficiency.
* Involved in developing Single Page Application & Implemented the Page Events such as click, change events using Angular.JS.
* Responsible for UI design and creating contracts and classes in WCF, WPF for different modules in the application.
* Creating the Master pages with new Icons, Logos, Buttons, Colors, Images, and Fonts for look and feel of the application using SASS styles, Html/HTML5.
* Followed agile methodology and Scrum. Provide better estimates while spending less time creating them and make sure we were in control of the project schedule and state.
* Prepared the finance transaction types to posting the financial activities for the application revenue activities.
* Developing APIs in Micro- Services architecture using Azure functions with ASP .NET core and C# as the programming language.
* Used Build and Release pipeline in Azure DevOps to deploy the services.
* Experience with containerization technologies like Docker for deploying and managing applications.
* Proficiency in cloud-native development with Azure Kubernetes Service (AKS) or AWS Elastic Kubernetes Service (EKS).
* Familiarity with serverless computing platforms like Azure Functions or AWS Lambda for event-driven architectures.
* Understanding of modern authentication and authorization mechanisms such as OAuth 2.0 and OpenID Connect.
* Knowledge of GraphQL for efficient data querying and manipulation.
* Experience with message queueing systems like RabbitMQ or Apache Kafka for asynchronous communication between microservices.
* Proficiency in performance monitoring and optimization techniques for cloud-based applications.
* Very good experience on PCI-Compliance DSS3.1 security vulnerability.
* Performed Unit Testing using NUnit for optimizing the efficiency of the application.
* Supports for production system and identify the root cause of any found issues and resolved them.
* Worked extensively with Angular components, directives, and services to create dynamic and responsive web applications.
* Utilized Angular CLI for project scaffolding and development efficiency.
* Implemented Angular modules, services, and routing for a robust and maintainable code structure.

**Environment**: Visual Studio 2022, .NET Core 3.1/6.0, C#, ASP.NET Core 6.0, Web API, Azure Storage Account, Azure Functions, Logic Apps, Azure Application Insights, Azure Key Vault, Angular, Azure Cosmos DB, PowerShell, Azure DevOps, Azure Storage Explorer, Azure Storage Emulator, Azure App Service, Azure SQL Database, Azure Blob Storage, Docker, Azure Functions, AWS Lambda, Azure Application Insights, AWS CloudWatch, Azure Key Vault, AWS IAM, Azure DevOps, SVN, Mercurial, MongoDB, Redis, PowerShell, React, Vue.js

**Education:**

Master of Science (M.S) In Information Technology and Management

Concordia University – St. Paul, MN, US.