Venkat Sai Vallala

Full stack .Net developer

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SUMMARY

Dot NET Developer with 4 years of experience in designing, developing, and deploying applications using the .NET framework. Proficient in C#, ASP.NET, MVC, and Web API, with a strong focus on building scalable and high-performance web applications. Expertise in database management, including SQL Server, with hands-on experience in integrating and optimizing databases for seamless application performance. Experience in designing and implementing microservices architecture, resulting in a 30% improvement in application performance and scalability.

SKILLS

Methodologies: SDLC, Agile, Waterfall

Languages: C#, SQL, T-SQL, PL/SQL

Framework: .Net Framework, ASP.NET MVC, WCF, .NET Core, Entity Framework, LINQ

Web Technologies: HTML, CSS, JavaScript, Ajax, jQuery, Bootstrap

IDE's: Visual Studio Code

Middleware: ADO.NET, Restful, Web Services

Application Server: IIS

Database: MongoDB, SQL Server, Oracle

Tracking/Other Tools: GIT, TFS

Operating System: Windows, Linux

EDUCATION

Masters in Advanced Data analytics

University of North Texas   **Aug 2022 – Dec 2023**

Bachelors in Electronics and Instrumentation Engineering

VNR Vignan Jyothi   **Jul 2017 – April 2021**

EXPERIENCE

Full Stack .Net Developer

Hilton Grand Vacation, USA   **Feb 2024 – Present**

- Participated in the SDLC of requirement analysis, design, and development of a web-based application utilizing the agile methodology.
- Engaged in Analysis, Design, and Development Testing of Web applications using IIS, ASP.NET Core MVC.
- Employed JavaScript and various validation controls to ensure data integrity on client-side ASP.NET Web forms.
- Utilized Ajax, JavaScript, and jQuery for client-side scripting and asynchronous interactions, enhanced interface aesthetics and functionality using CSS.
- Developed web applications in Visual Studio, implementing user interfaces with Razor Pages, Partial View, and Razor View.
- Created .NET Core Web APIs based on departmental requirements and specifications to facilitate backend operations.
- Configured Entity Framework Core for accessing and manipulating database tables.
- Implemented LINQ with Entity Framework Core for data querying purposes, accessing tables, and executing stored procedures.

SME(AI/ML), Texas

University of North Texas   *May 2023 – Dec 2023*

- Designed deep learning models in TensorFlow and PyTorch, increasing the pattern recognition rate by 30%, and developed image processing systems with OpenCV and MATLAB, all done as part of a small-scale image classification project.
- Provided hands-on support and guidance to students in data visualization using Tableau and Power BI, data modeling, ETL pipeline development, and statistical analysis, enhancing their practical skills in data analytics and architecture projects.
- Implemented a novel data mining method to increase valuable data collection by 40% for a small-scale sentiment analysis project.
- Designed and deployed machine learning models using Python to accelerate data processing by 35% for a small-scale anomaly detection project.
- Utilized SQL and Apache Spark to optimize data retrieval processes, reducing latency by 15% for data warehousing projects.

Full Stack .Net Developer

Citi Bank   *Feb 2021 – Aug 2022*

- Utilized Software Development Life Cycle like Waterfall to configure and develop processes and standards procedures.
- Designed and established Web Services using C# and ADO.net to handle online transactions with a central database, which reduced the time required for data entry and generated reports.
- Industrialized and designed user interfaces using ASP.NET MVC Partial Views and multiple interfaces to transfer the data into a different server.
- Established application using ASP.NET MVC to enable complete control over the rendered HTML and jQuery for client-side scripting.
- Worked on Web API and RESTFUL Service API using WCF, which return XML and JSON data using WCF attributes.
- Operated in web application development using Active Server Pages under both ASP.NET and was involved in deploying web pages on the IIS.
- Used ADO.Net to retrieve the data from the SQL Server and Oracle databases.
- Used TFS explicitly to host all the testing applications for the project.

.Net Developer

TCS, INDIA   *Jun 2019 – Jan 2021*

- Facilitated the SDLC process of requirement analysis, design, and development of a web-based application using the Agile model.
- Guided in Analysis, Design, and Development Testing of Web applications using IIS, and ASP. NET Core MVC.
- Analyzed JavaScript and validation controls to validate data on client-side ASP. NET Web forms.
- Implemented Ajax, JavaScript, and jQuery for client-side scripting and asynchronous operations, and used CSS for improving the look and feel of the interface.
- Built web applications in Visual Studio, using Razor Pages, Partial View, and Razor View.
- Created. NET Core Web APIs according to the departments' needs and specifications to support backend processes.
- Configured Entity Framework Core for accessing and manipulating database tables.
- Incorporated LINQ with Entity Framework Core for data querying, improving data retrieval speed by 25% and increasing efficiency in accessing tables and calling stored procedures.
- Created RESTful services and classes using Entity Framework Core, resulting in a 30% reduction in data response time and enhancing application performance.
- Implemented WCF services, including the definition of Contracts, the specification of endpoint bindings, and hosting on IIS.
- Maintained an understanding of MongoDB write concerns to ensure data durability during system failures.
- Managed code versions and team collaboration using Git as the source control tool.