

VENKATA SAI RAGHAVENDRA SREE HARSHA KAKULAVARAPU

• Houston TX • sreeharsha30121994@gmail.com • (346) 381-4088

PROFESSIONAL EXPERIENCE

Wolters Kluwer

Wisconsin, United States

As a skilled .NET Developer, I have extensive experience leveraging modern technologies and frameworks to design, develop, and deliver robust, scalable, and secure web applications. My expertise spans front-end and back-end development, cloud deployment, and API integration, ensuring high-quality solutions that meet client and business needs. Additionally, I have hands-on experience with AWS cloud services for efficient deployment and resource optimization, as well as using JIRA for task tracking and sprint management in Agile development workflows.

Key Responsibilities and Achievements

1. Agile Development and TDD

- Applied Agile methodologies within a SCRUM framework, ensuring iterative development, continuous feedback, and alignment with project objectives.
- Adhered to Test-Driven Development (TDD) principles to improve code quality, maintainability, and reliability.
- Used JIRA to manage sprints, track project progress, and ensure timely completion of deliverables.

2. Frontend Development

- Built responsive and dynamic user interfaces using Angular 8/7, HTML5, and TypeScript to ensure an engaging user experience.
- Leveraged dependency injection to create reusable components and services for efficient CRUD (Create, Read, Update, Delete) operations.
- Implemented the Angular Router for seamless navigation and page transitions in multi-page applications.
- Ensured cross-browser compatibility for applications across Safari, Opera, Firefox, Chrome, and Internet Explorer to enhance user experience.

3. Backend Development

- Designed and implemented secure APIs using ASP.NET Core Web API with JWT Token-based authorization for secure user authentication.
- Developed and deployed REST APIs for efficient data handling, enhancing performance with custom filters, pagination, and optimized queries.
- Added global authentication via custom message handlers in Web API2 for robust security.
- Created SOAP-based Web Services for seamless data exchange between business logic components and other systems.

4. Cloud and CI/CD

- Utilized Azure PaaS services like Azure App Service, Azure Functions, Azure SQL Database, and Azure Storage for scalable, cloud-based application development.
- AWS Integration: Deployed and managed applications on AWS cloud infrastructure, using services like AWS Lambda, S3, and CloudWatch to enhance application availability and performance.
- Streamlined development workflows using Azure DevOps for continuous integration/continuous delivery (CI/CD), enabling faster and more reliable releases.

5. Data Management

- Employed RxJS operators for advanced data transformations, filtering, and mapping in Angular applications, ensuring dynamic data handling.
- Used HTTP GET and POST methods for interaction with Web APIs, supporting real-time data retrieval and updates.
- Optimized data handling through Microsoft SQL Server 2019, enhancing system performance with complex queries, indexing, and data transformation techniques.

6. Deployment and Maintenance

- Deployed applications to IIS application servers and managed releases across development, QA, UAT, and production environments.
- Used AWS CodeDeploy to automate deployments, minimize downtime, and ensure seamless rollbacks.
- Debugged and optimized applications using Visual Studio .NET IDE, ensuring smooth development, testing, and release cycles.

7. Security and Integration

- Implemented OAuth Tokens in Angular modules for secure and efficient API communication.
- Integrated WSDL for web services to enhance system interoperability and scalability.
- Enforced robust security mechanisms using JWT token-based authentication for controlled access to APIs and backend resources.

Key Technologies and Tools

- **Frontend:** Angular 8/7, HTML5, TypeScript, NgRx, Angular CLI
- **Backend:** ASP.NET Core, ASP.NET MVC 5, C#, Web API 2
- **Cloud:** Azure (App Service, Functions, SQL Database, Storage), AWS (S3, Lambda, CloudWatch, EC2, CodeDeploy)
- **CI/CD:** Azure DevOps, AWS CodeDeploy, Git
- **Data Management:** Microsoft SQL Server 2019, REST APIs, HTTP, WSDL, SOAP
- **Development Tools:** Visual Studio .NET, IIS, AWS CloudWatch, AWS S3
- **Collaboration Tools:** JIRA (for sprint tracking and task management)
- **Methodologies:** Agile, SCRUM, TDD

Impact and Achievements

- **Streamlined Deployment:** Leveraged AWS and Azure cloud platforms to deploy and manage applications, achieving faster releases and high system uptime.
- **Enhanced Productivity:** Used JIRA to manage sprint backlogs, improve sprint visibility, and increase team productivity.
- **Secure API Design:** Designed and deployed secure APIs with OAuth tokens and JWT-based authentication, ensuring data integrity and secure client-server communication.
- **Cross-Browser Compatibility:** Delivered highly compatible, user-friendly web applications accessible on modern browsers, improving user satisfaction and engagement.
- **Data Handling Efficiency:** Improved data transformation and mapping using RxJS operators, leading to faster data retrieval and improved application performance.

With a well-rounded expertise in .NET development, AWS, Azure, and Agile methodologies, I have demonstrated the ability to build secure, scalable, and user-friendly web applications. My experience in front-end and back-end development, cloud deployments, and API integration makes me a versatile and efficient software developer.

Kenvue

Frontend dotnet developer

Bangalore, India

2018(JULY) - 2022(April)

At Kenvue my role focused on designing, developing, and maintaining software applications, with an emphasis on leveraging .NET technologies. Collaborating with a dynamic team, I contributed to delivering scalable and efficient solutions tailored to client needs and industry standards.

Key Responsibilities:

- **Development:**
 - Writing, testing, and debugging code using **C#** within the .NET framework.
 - Building RESTful services using **WebAPI** to enable seamless communication between client and server.
 - Working extensively with **ADO.NET** for data access and manipulation.
- **Database Management:**
 - Designing and optimizing SQL queries, stored procedures, and functions using **SQL Server**.
 - Ensuring database performance and security through indexing and data integrity techniques.
- **System Design:**
 - Assisting in designing system architectures and user interfaces for intuitive and user-friendly experiences.
 - Supporting the development of modular and reusable components.
- **Collaboration:**
 - Collaborating with senior developers, QA teams, and project managers to implement new features, troubleshoot issues, and ensure project deadlines are met.
- **Optimization:**
 - Analyzing and improving existing codebases to enhance application performance, maintainability, and scalability.
- **Documentation:**
 - Maintaining detailed documentation of development processes, system changes, and software updates to ensure transparency and scalability.

Impact:

This role provided hands-on experience with **.NET technologies**, modern development tools, and methodologies, while strengthening expertise in **WebAPI**, **ADO.NET**, and **SQL Server**, building a strong foundation for a successful career in software engineering.

Virtusa

Frontend developer

India

(NOV) 2015 - 2018(JUNE)

As a **Frontend Developer** at Virtusa, I contributed to designing and implementing user interfaces for web applications, primarily leveraging **.NET technologies** alongside modern frontend frameworks and tools. My role was instrumental in delivering seamless, responsive, and user-friendly interfaces that aligned with client requirements and industry best practices.

Key Responsibilities

1. **UI/UX Development:**
 - Developed dynamic, interactive web pages using **ASP.NET**, **Razor Pages**, and **HTML5/CSS3**.
 - Worked closely with designers to translate wireframes and mockups into high-quality, functional user interfaces.
2. **Frontend Integration with Backend:**
 - Integrated **Web APIs** developed in .NET with frontend components for real-time data interaction and processing.
 - Consumed RESTful APIs to fetch, display, and manipulate data efficiently.
3. **Responsive Design:**
 - Ensured cross-browser compatibility and responsiveness using **Bootstrap** and custom CSS.
 - Created adaptive layouts to enhance the user experience across devices (mobile, tablet, desktop).
4. **JavaScript and Frameworks:**
 - Utilized **JavaScript** and libraries like **jQuery** for adding interactivity to web applications.
 - Integrated frontend logic with modern tools such as **AngularJS** for enhancing application performance and usability.
5. **Performance Optimization:**
 - Optimized page load times and application responsiveness using tools like **Webpack** and **bundling/minification** in .NET.
 - Implemented lazy loading and caching techniques to improve user experience.
6. **Collaboration and Agile Practices:**
 - Worked in Agile teams, collaborating with backend developers, designers, and QA to ensure smooth delivery.
 - Participated in daily standups, sprint planning, and retrospective meetings to align on project goals.

Key Achievements

- Designed and implemented a responsive frontend for a large-scale **e-commerce platform**, resulting in a 25% increase in user engagement.
- Successfully migrated legacy frontend components to a modern **.NET Core** environment, improving maintainability.
- Reduced page load times by 30% through optimization and best coding practices.
- Contributed to a **modular design system** that streamlined the development of reusable UI components.

Tools and Technologies Used

- **Frontend:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, AngularJS
- **Backend Integration:** ASP.NET, Web API, Razor Pages
- **Development Tools:** Visual Studio, Git, Fiddler, Postman
- **Performance Tools:** Webpack, Browser Developer Tools

This role provided me with strong experience in creating user-centered web applications while collaborating in a fast-paced, client-focused environment.

EDUCATION

LAMAR UNIVERSITY

Masters in Computer Science

Beaumont, TX, United States

WISTM ENGINEERING COLLEGE

Bachelor of Engineering, Major in Mechanical

Visakhapatnam, India