Sri Teja Valusa

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Summary

Dynamic Software Engineer with extensive experience in full-stack web development, specializing in ASP.NET, SQL Server, and React. Proven track record of designing and deploying scalable web applications, integrating third-party APIs, and enhancing system performance. Adept at collaborating with cross-functional teams and stakeholders to translate business needs into innovative solutions. Skilled in CI/CD pipeline automation using Azure DevOps and scripting with PowerShell, leading to faster deployments and increased efficiency. Passionate about leveraging technical expertise to build robust, user-centric solutions that drive organizational success.

Education

University of Central Missouri   Aug 2023 - Present
Masters, Information Technology, Grade: 3.77/4

Sumathi Reddy Institute of Technology   Aug 2017 - May
Under Graduation, Computer Science, Grade: 6.8/10

Work Experience

Tata Consultancy Services   India
Software Engineer   Aug 2021 – Jul 2023
- Launched a comprehensive suite of ASP.NET web applications, leveraging object-oriented programming in C# to increase software robustness, leading to a 25% reduction in bug reports received post-deployment.
- Collaborated with stakeholders to gather and refine requirements, aligning technical implementations with business goals and ensuring the delivery of client-focused solutions.
- Integrated React with ASP.NET backend services to create dynamic, responsive user interfaces, improving usability and achieving a 15% increase in customer engagement metrics.
- Designed and maintained RESTful APIs using ASP.NET for seamless data exchange, enabling high performance and scalability across applications.
- Partnered with the tech support team to systematically analyze and resolve production issues, utilizing Microsoft SQL Server for database management and ensuring smooth integration with three critical third-party applications.
- Led efforts within Scrum teams, facilitating daily stand-ups and sprint planning to reinforce project alignment, resulting in the early delivery of key milestones.
- Enhanced CI/CD pipelines with Azure DevOps, integrating third-party tools and leveraging PowerShell for deployment automation. This initiative improved application speed by 30% and boosted user satisfaction.

Hexagon Capability Center India
Full-Stack Developer Intern   Nov 2020 - Mar 2021
- Built a well-structured ASP.NET web application utilizing Visual Studio, addressing both front-end and back-end components through object-oriented programming in C#, boosting up user experience for over 1,000 active users.
- Engineered robust RESTful web services that facilitated real-time communication between systems while refining field mappings; resulting in a significant boost to application performance and user satisfaction for hundreds of end-users.
- Championed the transition to Azure DevOps, facilitating the integration of 15+ third-party tools into the CI/CD pipeline; this initiative improved collaboration among 12 cross-functional teams and increased overall project visibility.

Projects

AI-Powered Image Captioning and Story Generation Tool
PictoVerse   Nov 2024 - Dec 2024
- Implemented a web application leveraging pre-trained vision models and Gemini API for accurate image captioning and story generation.
- Designed a responsive interface with React.js and optimized backend performance using Flask.
- Achieved 95% accuracy in caption generation and reduced response time by 20%.

TechSphere Nexus
TechSphere Nexus   Feb 2024 - Apr 2024
- Designed a comprehensive digital ecosystem platform, integrating features such as real-time chat and service inquiries; utilized HTML, CSS, JavaScript, and PHP to improve user engagement and streamline communication.

Groove Finder - Online Music Book Store
Groove Finder - Online Music Book Store   Sep 2023 - Nov 2023

- Developed interactive quizzes using jQuery and AJAX that increased user engagement metrics by 35%, contributing to a comprehensive digital experience platform.
- Engineered an advanced user experience by implementing features like asynchronous data loading, engaging interactive quizzes, and an intuitive feedback system to gather valuable insights from users.

E-Health Care System

E-Health Care System   Mar 2021 - May 2021
- Constructed an e-commerce website specializing in healthcare products using HTML and CSS; optimized navigation and search features, resulting in a 50% increase in product discovery.

Attendance System Based on RFID

Attendance System Based on RFID   Aug 2017 - Feb 2018
- Designed an RFID-based attendance system using Arduino and Python, enhancing the accuracy of attendance logs for 250+ individuals; reduced the time spent on attendance by 10 hours monthly.

Certifications

Gen AI Intensive Course

Completed a 5-day intensive program in November 2024, focusing on Generative AI concepts, tools, and applications. Gained hands-on experience using **Gemini API** and **Google AI Studio** through daily seminars, white paper studies, and practical assignments.

Skills

Web Development: HTML, CSS, JavaScript, jQuery, PHP, Node.js, MVC, Angular, React, Flask
Programming: C++, Java, C#, Python, Object-Oriented Programming, .Net Framework
Database Management: MySQL, SQL Server, Oracle SQL Developer, Microsoft SQL Server
Tools: Azure DevOps, Git, Jira, SSIS, SSRS
Frameworks & Technologies: ASP.NET, MVC, AJAX, jQuery, SQL Server Management Studio, RESTful web services
AI & Machine Learning: Generative AI, Gemini API, Google AI Studio, Image Processing (OpenCV, PIL), Text Generation Models
Development Methodologies: Agile Development, Agile Software Development