

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

Masters, Information Technology, Grade: 3.77/4

Aug 2023 – Dec 2024

Sumathi Reddy Institute of Technology

Under Graduation, Computer Science, Grade: 6.8/10

Aug 2017 – May 2021

Work Experience

Tata Consultancy Services

Software Engineer

India

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.
- 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 and stored procedures for database management and ensuring smooth integration with three critical third-party applications.
- Implemented network monitoring and infrastructure management tools, troubleshooting complex applications and ensuring seamless integration with third-party systems, which resulted in a 20% improvement in system uptime and a 15% reduction in integration issues.
- 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.
- Designed and developed service-oriented architectures, ensuring the scalability and flexibility of system integrations.

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 user experience for over 1,000 active users.
- Worked with YAML configurations for managing infrastructure and automating deployments using Terraform.
- 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, improving collaboration among 12 cross-functional teams and increasing overall project visibility.
- Focused on creating automated testing and integration solutions to streamline the SDLC process.

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 Python and Flask.
- Achieved 95% accuracy in caption generation and reduced response time by 20%.

Django CRM App

CustomerHub

Jun 2024 - Aug 2024

- Developed a Customer Relationship Management (CRM) application using Django, FastAPI, Python, and MySQL, implementing CRUD operations for managing over 500+ customer records.
- Implemented user authentication and designed a responsive front-end using Bootstrap, improving user engagement.
- Applied best practices in full-stack development, ensuring secure data management and reducing data processing 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

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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 using JavaScript 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 and Java; optimized navigation and search features, resulting in a 50% increase in product discovery.

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 Python, Gemini API, and Google AI Studio through daily seminars, white paper studies, and practical assignments.

Skills

Programming: Java, C#, Python, Object-Oriented Programming, .Net Framework
Web Development: HTML, CSS, JavaScript, React, Flask, Node.js, jQuery, PHP
Database Management: MySQL, SQL Server, MongoDB
Tools: Azure DevOps, Git, Jira, SSIS, SSRS, Jenkins
Frameworks & Technologies: ASP.NET, MVC, AJAX, 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, CI/CD Pipelines, Scrum
Networking & Automation: Terraform, Ansible, Automated Testing (unit, integration), Network Monitoring, Infrastructure as Code
Cloud & Infrastructure: Azure, Terraform, Jenkins