

VINAY KUMAR SANAGAPALLI

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PROFESSIONAL EXPERIENCE

Software Engineer

May 2024 – Present

MRI Software

Cleveland, Ohio

- Experienced in project life cycle, analysis, design, and development of Web Applications & Databases using cutting-edge technologies like .Net core, Web API, ASP. NET, C#, Angular, TypeScript, MVC, SQL Server.
- Experience working with front-end technologies like HTML/HTML5, CSS/SCSS, Bootstrap, Kendo UI, jQuery, JavaScript also including JavaScript frameworks like Angular.
- Built RESTful APIs for data integration and microservices architecture. Worked on multi-tier architecture applications with IIS.
- Implemented Continuous Integration & Continuous deployment (CI/CD) Pipeline using Azure DevOps.

Software Engineer

May 2020 – Dec 2022

Tata Consultancy Services

Bangalore, India

- Expertise in using Angular JS for SPAs, Models, Services, Dependency Injection, Routing, and Prototyping. Built reactive and template-driven forms with comprehensive validation.
- Improved application performance through lazy loading and efficient data handling. Implemented custom pipes for dynamic data filtering and searching.
- Created reusable repository classes using the Repository pattern, Generics, and Interfaces.
- Evaluated the runtime of certain subscribe methods to improve page load time. Used built-in pipes and created custom pipes for dynamic search to search large data in a grid.
- Experienced in Two-way data binding with Forms using input variables and output variables, Property Binding, Bootstrapping, NgFor, NgIf, binding the click event, Component decorator, binding to the hidden property, and nested component.
- Worked extensively with RxJS for asynchronous operations and error handling.
- Developed user-friendly, self-contained, reusable, and testable Angular 7 modules, components, directives, and services to implement key functionalities.
- Utilized Entity Framework (Code First Approach, Database First Approach) and LINQ for efficient data access and manipulation, improving application performance and maintainability.
- Created and maintained SQL Server databases, writing complex queries, stored procedures, and triggers. Designed and generated reports using SSRS and Crystal Reports.
- Used TFS and Git for version control and continuous integration. Deployed applications using CCTray and Octopus for automated release management.
- Improved application performance by optimizing database queries and implementing caching mechanisms.
- Implemented unit testing with Jasmine and Karma, achieving high code coverage and application reliability.
- Experience in writing and execution of SHELL and Python scripts to automate deployments.
- Configured Key Vault as part of onboarding application to store all the secrets and certificates related to the application. Responsible for setting up cron jobs scripts on production servers.

CERTIFICATIONS

Azure Data Fundamentals | Microsoft

Azure Fundamentals | Microsoft

Azure AI Fundamentals | Microsoft

AWS Certified Solution Architect - Associate | LinkedIn

EDUCATION

University of Cincinnati

Master of Science in Information Technology

Apr 2024

4.00 GPA

R.V.R & J.C College of Engineering

Bachelor of Technology in Information Technology

Apr 2021

3.7 GPA

TECHNICAL SKILLS

Programming & Scripting Languages: C#, Java, JavaScript, python, C++, YAML, Bash/Shell

Databases: MS SQL, MySQL, Oracle, PL/SQL

.NET Technologies: .NET Core, .NET Framework, ASP.NET, Web API, WCF, WPF, ADO.NET, Entity Framework, IIS

Web Technologies: JavaScript, TypeScript, jQuery, Angular (4/6/8), AngularJS, React.js, JSON

Reporting Tools: Microsoft SQL Server Reporting Services (SSRS), SSIS

Third-Party Tools: Kendo UI, Angular Material

Versioning Tools: Microsoft Team Foundation Server (TFS), Git

Cloud, Others: AWS, Azure, Jenkins, Ansible, Docker, Kubernetes, Postman, Git, Terraform