

Snehil Kosmetty

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EDUCATION

New England College

Master of Science in Computer and Information Systems

Avanathi Institute of Engineering and Technology

Bachelor of Technology in ECE

Henniker, NH

January 2022-May 2023

Hyderabad, India

June 2015 – May 2019

PROFESSIONAL EXPERIENCE

Unisys

.NET Full Stack Developer

Pennsylvania

June 2023 – Present

- Reduced data retrieval time by 30% by optimizing LINQ queries, improving application performance and user experience.
- Designed microservices communication using RESTful APIs, asynchronous messaging like RabbitMQ and Kafka.
- Applied design patterns such as Factory, Singleton, Repository, and Observer to create reusable, scalable, and efficient solutions.
- Managed SSL certificates, optimized application pools, and carried out load balancing for applications hosted on IIS.
- Created dynamic user interfaces using React, resulting in a 25% improvement in page load speed and a more engaging, responsive experience across devices.
- Engineered RESTful APIs using .NET Core, integrating with Entity Framework Core, which resulted in a 40% increase in data processing speed and enhanced the scalability of backend services.
- Authored detailed technical documentation throughout the SDLC to support maintenance and development.

Cognerium

.NET Developer

India

June 2019 – Nov 2021

- Created custom stored procedures, views, and functions in SQL Server for seamless integration with ADO.NET.
- Implemented data access components for high-performance CRUD operations using ADO.NET and optimized connection pooling.
- Built secure and efficient ASP.NET Core web applications, integrating authentication and authorization using Identity.
- Utilized Team Foundation Server TFS for version control, work item tracking, and team collaboration.
- Enhanced a Repository Pattern for data access layers, enabling seamless interaction with databases which improved maintainability, scalability, and testability of the application.
- Debugged and resolved test failures, ensuring adherence to best practices for test-driven development (TDD).
- Automated application deployment and testing processes with Jenkins, Azure DevOps, and GitHub Actions.

PROJECT

E Commerce .NET8.0 – ASP.NET Core, Identity

January 2025

- Developed ASP.NET Core MVC .NET 8 and Razor applications, leveraging modern folder structures.
- Integrated ASP.NET Core Identity Framework for authentication and role management, including custom fields for user profiles and Stripe Payment Gateway for secure and efficient payment processing.
- Implemented email notifications using SendGrid API for scenarios like user registration, password reset, and order confirmations.
- Leveraged advanced ASP.NET Core MVC features like custom tag helpers, view components, and partial views to create components

Role-Based API System - ASP.NET Web APIs, ASP.NET Core, SwaggerUI

January 2025

- Engineered a RESTful Web API using ASP.NET Core and .NET 8, leveraging the Repository Pattern and clean architecture principles for efficient CRUD operations.
- Secured authentication and authorization using ASP.NET Core Identity and JWT tokens, enabling robust role based.
- Tested API endpoints thoroughly using Swagger UI for interactive documentation and Postman for request validation.
- Validated API functionality with AutoMapper for object mapping and adopted asynchronous programming techniques (async/await) to ensure responsiveness and scalability.

Static Web Application Project - HTML, CSS, JavaScript

December 2024

- Developed and deployed a static web application using .NET 8.0, HTML, CSS, and JavaScript.
- Organized the project structure with a wwwroot folder containing subdirectories for CSS, JavaScript, and images.
- Developed responsive web pages with custom styling using site.css and dynamic functionality with site.js.
- Published the application to GitHub Pages, ensuring fast, accessible, and lightweight hosting for seamless user experience and optimized the application's performance by minimizing load times

TECHNICAL SKILLS

Programming: C#, OOPS, JavaScript, TypeScript, HTML, CS, Bootstrap, React, Angular

.net Technologies : ASP.NET, ADO.NET, .NET Core, Entity Framework 6.0/5.0

Web Forms: Web Forms, MVC-based development, Crystal Reports, Data models, WCF, WPF.

Cloud: AWS, Azure (Data Factory, Azure Functions, API Management Services, Azure DevOps).

Databases: Relational Databases (MySQL, NOSQL, MongoDB), SSIS

DevOps: Docker, Kubernetes, Jenkins, DevOps Practices, CI/CD pipelines.

Project Management: Jira, Agile Methodology, Scrum, SDLC, Git, GitHub, IIS.

Soft Skills: Communication Skills, Collaborative, Problem-solving, Teamwork.