Snehil Kosmetty

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EDUCATION

New England College   **Henniker, NH**
Master of Science in Computer and Information Systems   *January 2022-May 2023*
Avanthi Institute of Engineering and Technology   **Hyderabad, India**
Bachelor of Technology in ECE   *June 2015 – May 2019*

PROFESSIONAL EXPERIENCE

Unisys   **Pennsylvania**
.NET Full Stack Developer   *June 2023 – Present*
- Optimized database queries using LINQ, reducing data retrieval time by 30%.
- Designed microservices communication using RESTful APIs, asynchronous messaging (e.g., RabbitMQ, Kafka).
- Utilized design patterns such as Factory, Singleton, Repository, and Observer to create reusable, scalable, and efficient solutions.
- Performed load balancing, SSL certificate management, and application pool optimization for IIS-hosted applications.
- Deployed scalable solutions across both Windows and Linux environments to meet diverse client needs.
- Engineered RESTful APIs using .NET Core, integrating with Entity Framework Core for seamless database operations.
- Authored detailed technical documentation throughout the SDLC to support maintenance and development.

Cognerium   **India**
.NET Developer   *June 2019 – Nov 2021*
- Designed 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.
- Used Team Foundation Server TFS for version control, work item tracking, and team collaboration.
- Designed a Repository Pattern for data access layers, enabling seamless interaction with databases.
- 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
- Designed and 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 also Integrated 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.
- Implemented advanced ASP.NET Core MVC features like custom tag helpers, view components, and partial views to create reusable components.

Role-Based API System - ASP.NET Web APIs, ASP.NET Core, SwaggerUI   January 2025
- Built a RESTful Web API using ASP.NET Core and .NET 8, leveraging the Repository Pattern and clean architecture principles for efficient CRUD operations.
- Implemented secure 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.
- Streamlined API functionality with AutoMapper for object mapping and adopted asynchronous programming techniques (async/await) to ensure responsiveness and scalability.
- Utilized Entity Framework Core for database interaction, employing EF Core migrations to design schema and advanced data querying features like filtering, sorting, and pagination.

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.
- Created responsive web pages with custom styling site.css and JavaScript functionality site.js.
- Deployed the application on GitHub Pages, ensuring accessible and lightweight hosting.

TECHNICAL SKILLS

Programming: C#, OOPS, JavaScript, TypeScript, HTML, CS, Bootstrap, React, Angular
.net Technologies : ASP.NET, ADO.NET, .NET, 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.