

Erigala Varshitha

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CAREER OBJECTIVE:

To pursue a challenging career as a Software Engineer where I can utilize my technical, analytical, and problem-solving skills to contribute to organizational success while continuously learning and growing in the field of software development.

PROFESSIONAL SUMMARY:

- 3.4 years of experience in **C#, ASP.NET, .NET Core, MVC, ADO.NET, Entity Framework, and SQL.**
- Proficient in **front-end technologies: jQuery, Bootstrap, HTML, CSS.**
- Hands-on experience in **production support**, ensuring high availability and system stability.
- Skilled in **debugging, troubleshooting**, and optimizing **C# applications** for performance.
- Experienced with monitoring and logging tools like **Application Insights, Serilog, and ELK Stack.**
- Knowledgeable in **application deployment, configuration**, and **patching** in .NET environments.
- Strong understanding of **user access management** and enterprise application configuration.
- Familiar with **automation scripting** using **PowerShell** and **batch files.**
- Worked on **high-availability** and **load-balanced application** setups.
- Effective team player with strong communication skills, experienced in **Agile/Scrum** environments.

TECHNICAL SKILLS:

Frameworks: .NET v6.2, Azure 2.63, Entity Frameworks

Programming Skills: C#, ASP.NET, MVC.NET, and .NET Core Web API

Web Technologies: HTML, CSS, JavaScript, Bootstrap

Development Tools: Microsoft Visual Studio 2022, Microsoft SQL Server

Advanced Web Tech: React and Angular 16

Database: Microsoft SQL Server v18.10, .NET Core 8

EDUCATION:

B.Tech in Electrical & Electronics Engineering – 2017–2021
Sree Vidyanikethan Engineering College

EXPERIENCE:

Worked as a Software Engineer in **HCL TECH** from OCT 2021 – JAN 2025

PROJECTS:

Project 1: Hospital Management System

Description:

A web-based application designed to streamline hospital operations including patient registration, appointment scheduling, doctor management, billing, and report generation. The system ensures data security and role-based access for hospital staff, doctors, and patients.

Technologies: ASP.NET Core, C#, .NET Core Web API, Angular, Entity Framework, SQL Server, React JS

Roles & Responsibilities:

- Gathered and analyzed **requirements** to design functional modules for patients, doctors, and hospital staff.
- Developed **secure RESTful APIs** using ASP.NET Core Web API.
- Designed **database schema** and implemented data access using Entity Framework (Code-First approach).
- Implemented **JWT-based authentication and role-based authorization** for secure login and access control.
- Built **interactive Angular dashboards** for real-time hospital operations and patient management.
- Implemented **logging, exception handling, and data validation** to improve system reliability.
- Conducted **unit testing, debugging, and performance optimization** for smooth operations.
- Deployed the application on **IIS** and provided post-deployment support.
- Prepared **technical documentation** including API specifications and user manuals.
- Collaborated in an **Agile/Scrum environment**, attending sprint planning and reviews.
- Built responsive and dynamic **React** front-end components for real-time hospital operations and patient management dashboards.

Project 2: E-Commerce Web Application

Description:

An online shopping platform enabling customers to browse products, add items to cart, place orders, and make secure payments. The application includes separate dashboards for customers, sellers, and admins to manage products, inventory, orders, and transactions.

Technologies: ASP.NET Core, C#, .NET Core Web API, Angular, SQL Server, HTML, CSS, JavaScript

Roles & Responsibilities:

- Designed and developed **end-to-end e-commerce workflow** including product catalog, shopping cart, order processing, and payments.
- Built and optimized **REST APIs** with ASP.NET Core Web API for product and order management.
- Integrated into the **SQL Server** for database storage, writing optimized queries and stored procedures.
- Implemented **payment gateway APIs** for secure online transactions.
- Built a **responsive front-end UI** with Angular, HTML, CSS, and JavaScript for smooth user experience.
- Applied **role-based access control (RBAC)** for customers, sellers, and admin users.
- Implemented **caching and pagination** to optimize API performance and reduce response time.
- Ensured **cross-browser compatibility** and mobile responsiveness.
- Integrated **email/SMS notifications** for order confirmation and updates.
- Conducted **unit testing, code reviews, and debugging** to improve quality and reliability.
- Used **GitHub for version control** and collaborated with the team in Agile methodology.
- Deployed the application on **IIS** and monitored production performance.

DECLARATION:

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.