ANSHUL THAKUR

Junior Software Developer | .NET | ASP.NET Core | C# | Azure | SQL Server

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PROFESSIONAL SUMMARY

Results-driven Junior Software Developer with 1+ years of experience in full-stack web development using ASP.NET Core MVC, C#, .NET APIs, and SQL Server. Proven ability to design and deliver secure, scalable RESTful APIs with JWT authentication and AES encryption. Hands-on expertise in Microsoft Azure (Azure Blob Storage, Azure OpenAI Service), ML.NET, and Entity Framework. Experienced in Agile environments with strong skills in debugging, code optimization, and cross-functional collaboration. Passionate about integrating AI/ML solutions and delivering high-quality software following SOLID principles and microservices architecture.

TECHNICAL SKILLS

Programming Languages: C#, SQL, JavaScript

Frameworks & Libraries: ASP.NET Core MVC, .NET Web API, React.js, ML.NET, Entity Framework Core

Cloud Platforms: Microsoft Azure, Azure Blob Storage, Azure OpenAI Service (GPT-4), Azure AI

Databases: Microsoft SQL Server (MSSQL), Stored Procedures, Database Design, Query Optimization

Authentication & Security: JWT Authentication, AES Encryption, OAuth 2.0, Role-Based Access Control (RBAC)

Developer Tools: Git, GitHub, Visual Studio, Swagger / OpenAPI, REST APIs, Postman

Architecture & Principles: SOLID Principles, Microservices Architecture, MVC Pattern, Agile / Scrum

Other: AI Prompting, ML Model Integration, SMTP Email, Third-Party API Integration, Debugging

PROFESSIONAL EXPERIENCE

Junior Software Developer | CS Soft Solutions (India) Pvt Ltd   Feb 2025 – Present

- Developed and maintained secure RESTful APIs using ASP.NET Core MVC and C#, supporting 5+ production modules across Safety Management, Incident Logging, and Dealer Survey applications.
- Debugged and resolved 30+ critical bugs across frontend (React.js) and backend (.NET) systems, reducing defect rate and improving application stability.
- Integrated Azure OpenAI Service (GPT-4) and ML.NET predictive models into production systems, enabling AI-driven equipment failure prediction and natural language insights.
- Implemented JWT authentication, AES encryption, and RBAC security layers, ensuring compliance with data security standards across multiple projects.
- Optimized SQL Server queries and stored procedures, improving data retrieval performance for high-volume reporting modules.
- Collaborated in an Agile/Scrum environment with cross-functional teams, participating in sprint planning, daily standups, and code reviews.

Technologies: ASP.NET Core MVC, C#, React.js, ML.NET, Azure OpenAI Service, Azure Blob Storage, Microsoft SQL Server, REST APIs, JWT, Entity Framework

Software Developer Intern | CS Soft Solutions (India) Pvt Ltd   Aug 2024 – Jan 2025

- Completed 6-month software development internship gaining hands-on experience in full-stack web development using .NET and REST APIs.
- Contributed to the Shipcaddie logistics platform by designing and updating FedEx API request/response bodies to meet third-party certification requirements, enabling successful FedEx integration.
- Tested and documented RESTful APIs using Swagger / OpenAPI, improving developer productivity and API reliability.

Technologies: ASP.NET Core, C#, REST APIs, Swagger / OpenAPI, React.js, SQL Server

PROJECTS

Safety First – Comprehensive Safety Management System   Jun 2025 – Present
- Architected and developed secure RESTful APIs using ASP.NET Core with JWT authentication and AES-256 encryption, ensuring enterprise-grade data security and compliance.
- Designed normalized SQL Server database schema and optimized stored procedures for high-performance data access across safety reporting modules.
- Integrated Azure Blob Storage for document management and implemented SMTP-based automated email notification system.
- Incorporated third-party vulnerability scanning and virus detection APIs, enhancing application security posture and meeting compliance requirements.

Technologies: *ASP.NET Core MVC, C#, SQL Server, Azure Blob Storage, JWT, AES Encryption, REST APIs, SMTP*

Predictive Maintenance System – ML.NET and Azure OpenAI (GPT-4)   Dec 2025 – Feb 2026
- Built AI-powered predictive maintenance system using ML.NET classification models to predict equipment failures, estimate downtime, and perform root cause analysis with measurable accuracy.
- Integrated Azure OpenAI Service (GPT-4) to generate natural language preventive maintenance suggestions and AI-driven insights for field engineers.
- Designed REST API layer to serve ML model predictions and GPT-4 responses to frontend dashboard in real time.

Technologies: *ML.NET, Azure OpenAI Service (GPT-4), ASP.NET Core, C#, SQL Server, REST APIs, Azure AI*

Shipcaddie – Logistics Platform   Oct 2024 – Jan 2025
- Contributed to backend development of a logistics and shipping platform, designing and updating FedEx API request/response payloads to meet third-party certification requirements, enabling successful FedEx integration.
- Debugged and resolved complex backend issues in ASP.NET Core, improving API reliability and data accuracy across shipment tracking modules.
- Collaborated with senior developers to review and refactor .NET codebase, ensuring clean architecture.

Technologies: *ASP.NET Core, C#, REST APIs, FedEx API, SQL Server, Entity Framework*

Dealer Satisfaction Survey Application   Feb 2025 – Apr 2025
- Developed a dealer feedback and survey platform using ASP.NET Core MVC, enabling admin-controlled annual dealer list management and structured survey campaigns.
- Implemented hierarchical data model for dealers, segments, areas, zones, and regions using SQL Server and Entity Framework, supporting multi-level feedback aggregation and performance analytics.

Technologies: *ASP.NET Core MVC, C#, SQL Server, Entity Framework, REST APIs, JWT*

E-Commerce Book Shopping Web Application   Jan 2024 – Mar 2024
- Developed a full-featured e-commerce platform using .NET Core MVC, implementing SOLID principles, clean architecture, and OAuth 2.0 authentication.
- Integrated Stripe payment gateway for secure online transactions and built scalable product catalog, shopping cart, and order management modules using SQL Server and Entity Framework.

Technologies: *.NET Core MVC, C#, SQL Server, Entity Framework, OAuth 2.0, Stripe API, REST APIs*

EDUCATION

Master of Computer Applications (MCA) – Computer Science   Jun 2022 – May 2024
Chandigarh University | Grade: A

Bachelor of Computer Applications (BCA) – Computer Science   Oct 2017 – Oct 2020
Himachal Pradesh University | Grade: A++

CERTIFICATIONS

Developing Web Applications using ASP.NET Core MVC   Issued: Feb 2024
Infosys Springboard