

ASHISH RANJAN SINGH

.Net Full Stack Developer | 2-3 Years Experience

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Professional Summary

Highly skilled and detail-oriented .NET Full Stack Developer with 2 years and 6 Months of experience in building scalable, secure, and high-performance enterprise applications. Proficient in ASP.NET Core, C#, Angular, SQL Server, Web API, EF Core, and modern architectural standards. Strong expertise in Clean Architecture, Repository Pattern, SOLID, Dependency Injection, JWT Authentication, API Versioning, Swagger, and asynchronous programming. Adept at improving application performance, optimizing UI rendering, and delivering maintainable code in Agile/Scrum teams. Committed to developing robust, optimized, and business-critical software systems.

Technical Skills

- Languages & Frameworks - C#, ASP.NET Core, .NET Framework, Angular, TypeScript, LINQ, Web API, Node.js
- Frontend - HTML5, CSS3, Bootstrap, TailwindCSS, jQuery, AJAX, JavaScript
- Databases - SQL Server, Oracle
- Tools & Platforms - Visual Studio, VS Code, Git, GitHub, Postman, Swagger, EF Core Migrations, xUnit, Serilog Logging
- Core Concepts - MVC, OOP, SOLID Principles, Clean Architecture, Repository Pattern, REST APIs, JWT Authentication, API Versioning, Unit Testing, Agile/Scrum

Professional Experience

Software Engineer

Napasoft Pvt. Ltd. — Jamshedpur, Jharkhand

April 2022 – October 2024 (2 years 6 months)

- Developed and enhanced enterprise-level web applications using ASP.NET Core, Angular, and SQL Server.
- Designed and implemented scalable RESTful APIs with JWT authentication, role-based authorization, and input validation.
- Applied Repository Pattern, Dependency Injection, and Clean Architecture to deliver maintainable and testable code.
- Built six real-time analytics dashboards for KPIs such as Gas Composition, Heat Mapping, Pressure Trends, and Temperature Analysis.
- Improved UI performance by 30% using optimized Angular components, lazy loading, and change detection strategies.
- Improved SQL Server performance using stored procedures, indexing, query optimization, and minimized DB latency.
- Reduced system downtime by 25% using automated alerts, system monitoring, and error logging with Serilog.

- Performed EF Core migrations, schema updates, and version-controlled database changes.
- Wrote unit tests using xUnit, ensuring API reliability and code quality.
- Actively participated in Scrum ceremonies, documentation, sprint planning, and team collaboration.

Projects

Blast Furnace Process Brain — Real-Time Steel Plant Monitoring System

Role: .NET Full Stack Developer | Technologies: ASP.NET Core, Angular, SQL Server, Web API, EF Core

A highly interactive, real-time industrial monitoring system built for automating Blast Furnace operations and optimizing production.

Key Contributions:

- Built real-time dashboards displaying KPIs such as Temperature, Gas Composition, Pressure Variation, and Production Trends.
- Designed and implemented backend APIs for retrieving furnace metrics, historical data, and live sensor readings.
- Integrated asynchronous programming for high-frequency data updates without UI lag.
- Implemented EF Core migrations for schema management and data mapping.
- Used Swagger for API documentation and endpoint testing.
- Enhanced industrial process visibility, enabling supervisors to make faster decisions and reduce operational delays.
- Improved monitoring accuracy by implementing robust validation, error handling, and optimized SQL queries.

Education

- B.Tech in Computer Science & Engineering - Dr. MC Saxena College of Engineering & Technology, Lucknow | 2016–2020 | 71%
- Intermediate (Class 12) - Pitts Modern School, Gumia | 2014–2015 | 84%
- Matriculation (Class 10) - Pitts Modern School, Gumia | 2012–2013 | 89%

Certifications

- Software Engineering Course (.NET, C#, SQL Server) — Napasoft

Strengths & Responsibilities

- Strong problem-solving and analytical skills and Fast learner with adaptability to new technologies
- Effective communication and teamwork capabilities
- Ownership mindset with strong task accountability
- Ability to write clean, reusable, and maintainable code and Efficient in debugging, troubleshooting, and optimizing application performance
- Skilled in documenting APIs, technical workflows, and sprint deliverables