Darshana Wijesinghe

Senior Software Engineer | .NET | .NET Core

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SUMMARY

Self-taught Senior Software Engineer with 6+ years of experience specializing in .NET technologies. Proven ability to deliver scalable, high-performance software solutions across industries such as Inventory & POS, Pharmaceuticals, E-commerce, and Property Management. Strong expertise in backend development, system optimization, and cloud integrations. Passionate about leveraging cutting-edge technologies to drive business impact and innovation.

TECH STACK

.NET & Backend	:	.NET, .NET Core, C#, ASP.NET, Entity Framework, WorkflowCore, Quartz.NET
Architecture & Design	:	Multitier, MVC, Clean Architecture, Unit of Work, Repository Pattern
Security & Authentication	:	Identity, JWT, OAuth 2.0, OpenID Connect
Databases	:	MSSQL, MySQL, NoSQL
Web & APIs	:	REST APIs, WCF
Cloud & DevOps	:	Azure App Service, Functions, SQL, AD, Pipelines, GitHub Actions
Testing & Tools	:	MSTest, xUnit, Git, Visual Studio, Postman

WORK EXPERIENCE

Senior Software Engineer | IT Solutioners Lanka | October 2024 - Present

- Refactored the .NET Core codebase for the discount and incentive modules, enhancing maintainability and scalability for future growth.
- Optimized the MSSQL database structure, improving performance by eliminating redundant tables and columns.
- Implemented background jobs using Quartz.NET to automate data synchronization between SAP and the ERP system.
- Built approval processes using WorkflowCore to automate workflows.

Software Engineer | Waterlily Labs (Pvt) Ltd | February 2023 – September 2024

- Developed and maintained backend functionalities for the ASP.NET Property Management System, improving tenant and repair tracking efficiency.
- Led the development of the Report Generator Module, enabling custom report creation and scheduling.
- Assisted in implementing Microsoft SSO, enhancing authentication and security.
- Optimized MySQL queries and database performance with custom views and stored procedures.
- Mentored junior developers and led code reviews to ensure best practices and clean code.

Software Developer & Engineer | Heptagon Software Solution | March 2018 – September 2022

- Delivered full-stack desktop solutions with .NET Framework, enhancing both user interfaces and backend processes.
- Automated key processes by developing Windows Services, reducing manual tasks in POS and inventory systems.
- Developed a live dashboard for business admins, providing real-time insights into sales, stock levels, and performance metrics.
- Created 50+ reports using Crystal Reports, empowering data-driven decision-making for business users.
- Built a scalable ASP.NET Pharmaceutical E-commerce Store with an integrated admin panel for enhanced management.
- Optimized MSSQL database, ensuring fast transactions and accurate data.

CODE REPOSITORY

- Check out my hands-on projects on [GitHub]().
  These projects reflect my practical experience in software development and problem-solving.

EDUCATION

British Computer Society (BCS) | UK | Expected Completion in 2025
Higher Education Qualifications