

Darshana Wijesinghe

Senior Software Engineer | .NET | .NET Core

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SUMMARY

Self-taught Senior Software Engineer with 5+ years of experience specializing in .NET technologies. Proven track record of delivering scalable and efficient software solutions across industries including Pharmaceuticals, E-commerce, and Property Management. Adept at backend development and passionate about leveraging cutting-edge technologies to drive impactful business results.

SKILLSET

Programming Languages	: C#, SQL, JavaScript, HTML, CSS
Frameworks & Technologies	: .NET, .NET Core, Entity Framework, ASP.NET, WorkflowCore, Quartz.NET
Architectures & Design Patterns	: Monolithic, Multitier, MVC, Clean Architecture, Repository, Factory
Security	: ASP.NET Core Identity, JWT, OAuth 2.0, OpenID Connect
Web Services	: WCF, REST APIs, SignalR
Databases	: MSSQL, MySQL, MongoDB
Cloud & DevOps	: Azure App Service, Azure Functions, Azure SQL, Azure AD, Pipelines, GitHub Actions
Caching	: In-Memory, Response, Redis
Testing	: MSTest, xUnit
Tools	: Git, Visual Studio, VS Code, Postman, draw.io
Operating Systems	: Windows

WORK EXPERIENCE

IT Solutioners Lanka – LK

Senior Software Engineer

October 2024 – Present

- Refactored the discount and incentive modules' codebase, enhancing maintainability and scalability for future growth.
- Optimized the database structure, improving performance by eliminating redundant tables and columns.
- Implemented background jobs with Quartz.NET to automate data synchronization between SAP and the ERP system.
- Led the design and execution of workflows for discount and incentive processes, consistently meeting project deadlines.

Technologies Used

- .NET Core 5.0, C#, LINQ, EF, MSSQL, WorkflowCore, Caching, jQuery, TFS, draw.io, and Agile (Scrum).

Waterlily Labs (Pvt) Ltd – LK

Software Engineer

February 2023 – September 2024

- Developed backend functionalities for the Property Management System, significantly enhancing tenant and repair tracking efficiency.
- Led the development of the Report Generator Module, enabling custom report creation, scheduling, and simplifying SQL query building without direct database access, delivering the solution within tight deadlines.
- Developed a maintenance portal for system admins as part of the Property Management project, streamlining system management and maintenance tasks.
- Participated in the implementation process of Microsoft SSO, enhancing authentication and security across the system.
- Created comprehensive technical documentation to guide the development team and project managers.
- Optimized SQL queries and improved database performance by creating custom views and stored procedures.
- Mentored junior developers, fostering knowledge sharing and guiding them to meet project deadlines.
- Led code reviews, ensuring adherence to best practices and maintaining high-quality, clean code.

Technologies Used

- .NET 4.7, C#, .NET Core 8, LINQ, EF, Identity, MySQL, MSSQL, SignalR, MSTest, Caching, AD, TFS, jQuery, draw.io, and Agile (Scrum).

- Delivered full-stack solutions, improving both user interfaces and backend processes.
- Enhanced inventory and POS systems, improving transaction reliability and reducing errors.
- Automated key processes by developing Windows Services, significantly reducing manual tasks in the POS and Inventory systems.
- Developed a live dashboard for business admins, providing real-time insights into sales, returns, stock levels, fast-moving products, and key performance metrics.
- Created 50+ reports for business users, empowering data-driven decision-making and performance analysis.
- Built a scalable Pharmaceutical E-commerce Store with an integrated admin panel for seamless management and an enhanced user experience.
- Collaborated in requirements gathering and provided ongoing technical support to clients, ensuring continuous system optimization.

Technologies Used

- .NET 4.5, ASP.NET 4.6, C#, MSSQL, WCF, APIs, Win Services, Crystal Report, draw.io, HTML, CSS, JavaScript.

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
Higher Education Qualifications

Expected Completion in 2025

- Pursuing the HEQ program as a professional qualification to support career growth in IT and software development.