

# 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 existing codebase for discount and incentive modules, improving maintainability and scalability.
- Managed database structure and optimized performance by reducing redundant tables and columns.
- Implemented background jobs using Quartz.NET to synchronize data between SAP and the ERP system.
- Led planning and implementation of workflows for discount and incentive processes, setting and meeting deadlines.

Waterlily Labs (Pvt) Ltd – LK

Software Engineer

February 2023 – September 2024

- Developed backend functionalities for a Property Management System, improving efficiency in tenant and repair tracking.
- Led the development of the Report Generator Module, enabling custom report generation and scheduling, and simplifying SQL query building without direct database access. Delivered the advanced reporting module 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 Single Sign-On (SSO), enhancing authentication and security across the system.
- Prepared technical documentation to guide the development team and project managers, ensuring a clear understanding of task processes and final outputs.
- Fine-tuned existing SQL queries and improved performance by creating custom views and stored procedures.
- Mentored junior developers, fostering knowledge sharing and guiding them to meet project deadlines.
- Conducted code reviews to ensure adherence to best practices and maintain clean code.

Heptagon Software Solution – LK

Software Developer / Software Engineer

March 2018 – September 2022

- Delivered full-stack solutions, improving both user interfaces and backend processes.
- Enhanced inventory and POS systems, improving transaction reliability and reducing errors.
- Reduced user tasks in the POS and Inventory system by developing Windows Services to automate key processes.

- Developed a live dashboard for business admins, displaying sales, returns, stock levels, fast-moving products, and other key metrics.
- Created 50+ reports for business users, enabling data-driven analysis of business performance.
- Developed a Pharmaceutical E-commerce Store, integrating a scalable admin panel for seamless management and enhanced user experience.
- Participated in requirements gathering and provided ongoing technical support to clients.

## CODE REPOSITORY

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

## EDUCATION

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British Computer Society (BCS) – UK

Expected Completion in 2025

Higher Education Qualifications

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