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 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, MongoDB
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.
- Used **UML tools** to create **diagrams**, clarifying requirements and database structure for better system design and communication.

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