

Darshana Wijesinghe

Senior Software Engineer | .NET | .NET Core

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Over 5 years of experience in .NET, building software for Inventory & POS, Pharmaceuticals, E-commerce, Property Management, and ERP. Skilled in backend development, system optimization, and cloud integration, focused on improving performance and delivering practical solutions.

TECHNICAL SKILLS

.NET/.NET Core/ASP.NET (5+ yrs), EF (2+ yrs), MSSQL (4+ yrs), MySQL, NoSQL, WCF, REST APIs (2+ yrs), Microservices, Azure (1+ yrs), Git, MSTest (1 yr), xUnit

WORK EXPERIENCE

Senior Software Engineer Oct 2024 – Present
[IT Solutioners Lanka](#) | LK

- Refactored **.NET Core** codebase for discount and incentive modules, enhancing maintainability and scalability.
- Redesigned **MSSQL** schema for the same modules, reducing DB size by 50% and simplifying structure.
- Automated SAP-ERP data syncs using **Quartz.NET** background jobs, reducing manual sync errors by 90%.
- Integrated **WorkflowCore** to create dynamic approval flows, cutting turnaround time for internal processes.

.NET Web Developer / Senior .NET Web Developer Feb 2023 – Sep 2024
[Waterlily Labs \(Pvt\) Ltd](#) | LK | UK

- Developed & maintained **ASP.NET** backend for a Property Management System, improving tenant and repair tracking efficiency.
- Developed a Report Generator module enabling clients to build & schedule reports, saving 6+ hours per week.
- Optimized **MySQL** with custom views and stored procedures, improving load times by 30%.
- Supported **Microsoft SSO** integration for enterprise-level authentication and security compliance.
- Mentored junior developers and led **code reviews**, raising **code quality** across the team.

Programming Analyst / Senior Programming Analyst Aug 2019 – Sep 2022
[Heptagon Software Solution \(Pvt\) Ltd](#) | LK

- Delivered end-to-end **.NET desktop applications**, improving business operations in POS and inventory management.
- Automated critical background processes via **.NET Windows Services**, eliminating 80% of repetitive tasks.
- Developed a **real-time business dashboard** displaying live sales, stock levels, and key KPIs for executives.
- Created 50+ reports using **Crystal Reports**, empowering data-driven decision-making for business users.
- Built and deployed a scalable **ASP.NET** e-commerce solution for pharmaceutical retail, with an admin panel.
- Improved transactional speed and accuracy through advanced **MSSQL** indexing and query restructuring.

CODE REPOSITORIES

- **Battleship API**
.NET 6 REST API implementing Battleship game logic with a three-tier client-server design and console client.
- **E-Commerce Platform Service**
Backend microservices app with **.NET 8**, **REST APIs**, and **RabbitMQ** event-driven communication.
- **Azure Function App**
Converts flat **JSON** to Excel using **NPOI** in a serverless **Azure Functions** environment.
- **Azure Cosmos Database App**
CRUD **REST API** with **.NET 6**, using **Cosmos DB** bulk inserts, triggers, and user-defined functions.

EDUCATION

Higher Education Qualification in Information Technology Expected: 2025
[BCS, The Chartered Institute for IT](#), UK