

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.

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.
- Optimized MSSQL database by removing redundant tables and columns, boosting performance.
- Implemented Quartz.NET background jobs to automate SAP-ERP data synchronization.
- Developed automated approval workflows using WorkflowCore.

.NET Web Developer / Senior .NET Web Developer

Feb 2023 – Sep 2024

Waterlily Labs (Pvt) Ltd | LK

- Developed and maintained ASP.NET backend for a 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.

Programming Analyst / Senior Programming Analyst

Aug 2019 – Sep 2022

Heptagon Software Solution (Pvt) Ltd | LK

- 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, delivering real-time sales, stock, and performance insights.
- 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 databases for faster transactions and improved data accuracy.

TECH STACK & TOOLS

Languages & Frameworks	C# • .NET • .NET Core • ASP.NET • Entity Framework • WCF
Databases	MSSQL • MySQL • NoSQL
Web & API Technologies	REST APIs • Microservices • Ocelot • OAuth 2.0
Cloud & DevOps	Azure • DevOps Pipelines • Git • TFS
Messaging & Scheduling	RabbitMQ • Quartz.NET
Testing	MSTest • xUnit

CODE REPOSITORIES

- 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.
- Battleship API
.NET 6 REST API implementing Battleship game logic with a three-tier client-server design and console client.
- 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

[BCS, The Chartered Institute for IT, UK](#)

Expected Completion: 2025