

Darshana Wijesinghe

Senior Software Engineer | .NET | .NET Core

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Self-taught Senior Software Engineer with 6+ 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, Property Management, and ERP. Strong expertise in backend development, system optimization, and cloud integrations. Passionate about optimizing performance and driving innovation through modern, business-driven technology solutions.

RECENT WORK EXPERIENCE

Senior Software Engineer

Oct 2024 – Present

IT Solutioners Lanka | LK

- 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.
- Built approval processes using WorkflowCore to automate workflows.

Senior Software Engineer | Software Engineer

Feb 2023 – Sep 2024

Waterlily Labs (Pvt) Ltd | LK

- 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.

Senior Programming Analyst | 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, 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.

TECH STACK & TOOLS

.NET | .NET Core | C# | ASP.NET | Entity Framework | MSSQL | MySQL | NoSQL | REST APIs | WCF | OAuth 2.0 | Azure | MSTest | xUnit | Git | TFS | DevOps Pipelines

CODE REPOSITORY

- Check out my hands-on projects on [GitHub](#), showcasing my development skills and problem-solving abilities.

EDUCATION

British Computer Society (BCS – UK)

Higher Education Qualifications in Information Technology

Final Stage