

KALANA MAHAARACHCHI

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PROFESSIONAL SUMMARY

I am a .NET/Angular Full-Stack Engineer with over 9 years of experience developing backend systems, desktop applications, and ERP solutions within the .NET ecosystem. With five years focused specifically on full-stack development, I bring a clear, logical mindset and practical approach to problem-solving, consistently driving projects to completion. I excel in collaborative environments and am committed to achieving high standards alongside my team.

WORK HISTORY

Data Center Engineer (June 2024 – Present) | **Diginext AB, Sweden**

- Led ground-up data center implementations for Green Mountain and CoreWeave, including network setup and infrastructure deployment.
- Installed and configured switches, routers, server racks, and fiber/copper cabling; monitored inventory and resolved alerts.
- Established inter-site connectivity, performed end-to-end troubleshooting, and trained new recruits on network and cable management.

Tools: IoT Devices, Fibre/Copper Cable Networking, Data Center Operations, Troubleshooting

Software Engineer (October 2022 – September 2023) | **Corzent Edge, Colombo**

- Led a team of five in the development of a home loan product within a highly efficient Kanban environment.
- Managed daily tasks effectively including product development and performance optimization.
- Authored technical articles, conducted pair programming and technical interviews, and screened candidates.
- Enhance system performance by 10% through code refactoring, and optimization.

Tools: C#, .Net API development, Angular SPA development, Code Review, Dapper, Jenkins, Git, SQL Server, Bootstrap, Clean Code, Clean Architecture, MediatR, ASP.Net Core, Akita State Management

Senior Software Engineer (May 2020 – October 2022) | **IDS Next Pvt(Ltd), Colombo**

- Developed an enterprise hospitality management system deployed across 50+ countries serving 220+ hotel chains with a extensive performance optimization.
- Conducted requirement analysis and development as part of daily tasks.
- Mentored and trained junior developers on the project and estimated requirements.
- Conducted code reviews and engaged in pair programming to ensure high code quality.
- Built the most reliable modules, such as Housekeeping, Check-In ensuring minimal errors and issues. Optimize and improve the speed of the application by 5%.

Tools: C#, .NET API, Angular SPA development, Angular Material, Azure DevOps, T-SQL, Git, Stored procedures, Headless CMS, Azure CDN, Blob Storage, Azure Functions, CQRS, MediatR, Docker, Kubernetes, ASP.NET Core

Senior Software Engineer (September 2012 – May 2020) | **Qualit Apps Asia, Colombo**

- Developed a healthcare system serving 50,000+ users with a focus on performance and requirement analysis.
- Conducted research and development on the FullCalendar library and integrated it across 5 enterprise products, reducing development time by 30% for future calendar features.
- Improved performance of the API and Frontend by 12% through database query optimization and code refactoring.

Tools: C#, ASP.NET Core, .NET API development, SQL Kata, Entity Framework, Xunit, Unit testing, Angular Material, Bootstrap, JQuery, FullCalendar, Git, Azure DevOps, Azure App Service, Dapper, Docker S3 Bucket, SQS, Bucket Trigger, Lambda Function, AWS, Requirement Analysis, Code Review, Sonar Qube

SKILLS

Languages & Frameworks: C#, WinForms, WPF (MVVM), WCF, Web API, ASP.NET Core, ASP.NET MVC, .NET, Python, Entity Framework Core, Dapper, SQL Kata,

Web Development: HTML5, CSS3, JavaScript, TypeScript, Angular, Angular Material, Bootstrap, JQuery, Headless CMS (Strapi)

Cloud: Azure Functions, CDN, Blob Storage, Azure CI/CD, Azure App Services, AKS, Azure Container Registry, AWS, Lambda Function, S3 Bucket, SQS, Bucket Trigger, Docker, Kubernetes, Azure Service Bus

Databases: SQL Server, IBM DB2, MongoDB, MySQL

Architecture and Patterns: Three-Layer Architecture, Clean Architecture, CQRS, MediatR, Domain Driven Development.

Applied Skills & Methods: Agile, Scrum, Kanban, Write clean, scalable and maintainable code, Lead team.

Protocols: MQTT, CoAP

EDUCATION

MSc. In Computer and System Sciences (2023 – 2025) · *Stockholm University, Sweden*

BSc. in Computer Science (2013 – 2015) · *University College Dublin, Ireland* | **GPA: 3.58**

Diplomas:

Higher Diploma in Computer Based Information Systems (2013) · *National Institute of Business Management (Sri Lanka)*

Diploma in Computer System Design (2013) · *National Institute of Business Management (Sri Lanka)*

CERTIFICATIONS

Edx – Python Basics for Data Science

Edx – Using Python for Research

Coursera – Introduction to Git and GitHub

LANGUAGES

English (Fluent)

Sinhala (Native)

INTERESTS

Machine Learning

Distributed Systems

Deep Learning