

UDARA SANDESHA DE SILVA

Senior Software Engineer

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PROFILE

Experienced full-stack developer with over 6 years of professional experience in building scalable enterprise applications. Highly proficient in C#, .NET, and cloud platforms such as AWS and Azure, with hands-on expertise in modern frontend frameworks including Blazor, Vue.js, and Angular

WORK EXPERIENCE

Senior Software Engineer

Moresand Technologies | Colombo, Sri Lanka - October 2024 - September 2025 | [Worldairfares](#)

- Developed new features and resolved functional and performance issues in a microservices-based .NET backend
- Refactored legacy code using modern C# features, aligning the codebase with industry best practices
- Optimized application performance by improving serialization/deserialization processes and tuning SQL queries
- Participated in code reviews, functional testing, and business validation
- Collaborated in Scrum ceremonies, including sprint planning, reviews, and retrospectives
- Performing on-call duties to assist with high-priority production issues

Technologies: C#, .NET 8, ASP.NET Core Web API, PostgreSQL, Redis, Docker, JIRA

Medior Backend Developer

ZeroFriction | Remote, Belgium - April 2023 - September 2024 | [Zero Friction](#)

- Built and optimized backend features for the ZeroFriction Heat application, improving stability and user experience
- Played a key role in migrating the front-end from React to Blazor, ensuring smooth integration with backend services
- Conducted code reviews and mentored junior developers to maintain high coding standards
- Implemented API and microservice optimizations, improving system speed, scalability, and reliability
- Implemented unit and functional tests using xUnit and SpecFlow to ensure code quality and verify application behavior
- Developed background jobs using Hangfire
- Implemented CI/CD pipelines in Azure DevOps

Technologies: C#, .NET 6, ASP.NET Core, Blazor, Azure Cloud, Azure DevOps, Cosmos DB, Entity Framework Core, Hangfire, Specflow, Docker, Aspire, Kubernetes

Senior Software Engineer

Calcey Technologies | Colombo, Sri Lanka - June 2021 - April 2023 | [AiSCOUT](#)

- Designed API architecture using .NET 7, CQRS, Clean Architecture, and Domain-Driven Design (DDD) principles
- Implemented event-driven microservices using MassTransit and AWS SQS
- Containerized APIs and background services using Docker, deploying them on AWS ECS Fargate and AWS ECR for scalable, cloud-native performance
- Implemented Infrastructure as Code (IaC) using AWS CDK, improving deployment consistency and automation
- Built and maintained CI/CD pipelines with GitLab Runner, streamlining development and release cycles
- Developed a CMS application for data management in the QA environment with Blazor
- Created technical documentation

Technologies: C#, .NET 7, Blazor, AWS, MassTransit, SQL Server, Entity Framework Core, Dapper, Git

Software Engineer

Ateam Software | Remote, Australia - June 2020 - June 2021 | [Graycorp](#)

- Developed a large-scale ERP system with 70+ dynamic screens using Angular, Vue.js, DevExpress, CSS, and SASS, focusing on componentization and performance optimization
- Improved system maintainability by refactoring legacy code into reusable components
- Designed and maintained RESTful APIs and implemented new features using C#, ASP.NET MVC, ODATA 4.0, Entity Framework, and MS SQL Server
- Authored comprehensive technical documentation to support onboarding and knowledge sharing for new developers
- Built and maintained CI/CD pipelines with Azure DevOps
- Fix issues and feature development of Graycorp desktop application

Technologies: C#, .NET Framework, Angular, Vue JS, DevExpress, MS SQL Server, Azure DevOps, WPF

TECHNICAL SKILLS

Languages & Frameworks: C#, .NET Core, .NET Framework, ASP .NET Core, WPF, Blazor, JavaScript, Vue JS, Angular, EF Core, LINQ, Dapper

Databases: MS SQL Server, Cosmos DB, PostgreSQL

Tools: Git, Azure DevOps, JIRA, Docker, Aspire, Kubernetes

Cloud: AWS (Certified), Azure (Certified)

Testing: xUnit, Specflow

EDUCATION

Master of Science in Interdisciplinary Computing - Interdisciplinary Transformation University (IT:U), Linz, Austria | 2025–present

Bachelor of Science in Information Technology - University of Colombo, Sri Lanka | 2016–2019

Diploma in Computer Systems Design – National Institute of Business Management | 2015 –2016

CERTIFICATIONS

AWS Certified Solutions Architect Associate

Microsoft Certified: Azure Fundamentals (AZ-900)

LANGUAGES

English - Fluent (C1)

German - Basic (A2)