

KEMAL YASINTHA

Senior Full Stack Engineer

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Surrey, BC, CA

Work Experience

Senior Full Stack Engineer

Jan 2023 - Present

Sydpro (Pvt) Ltd. | Colombo, Sri Lanka

Senior Full Stack Engineer for team EdSmart, which is a school management product company based in Australia. The product was implemented using .NET and the SaaS based Azure stack .

- Transformation of the legacy Ed-Smart system from .NET Forms to Blazor, migrating SQL Server data to Azure Cloud with Azure Cosmos DB, leveraging Azure Durable Functions.
- Implementing new Ed-Smart system features across .NET, C#, SQL Server, and Blazor stacks using object-oriented design.
- Used REST architecture style with Clean Architecture and MVC pattern.
- Implemented DTO s to decouple the client from the internal implementation and automapper for object mapping.
- Implemented dependency inversion with Unit of Work pattern adhering SOLID principles.
- Implementing Repository and Singleton design patterns to ensure modular, testable, and maintainable codebases.
- Data modeling with the EF code-first approach.
- Global exception handling through middleware.
- Implemented authentication and authorization with JWT-based security tokens issued by Azure Active Directory (Azure AD / Entra ID).
- Secured application secrets by integrating Azure Key Vault with .NET Core applications, eliminating sensitive data from appsettings.json and source control.
- Applied Agile methodologies using Jira and Azure DevOps for sprint planning, CI/CD pipelines to automate.

Senior Software Engineer

Dec 2017 - Jan 2023

Industrial and Financial Systems | Colombo, Sri Lanka

Worked as a technical expert in the asset management product team in the Global Support Delivery organization unit, which provides technical support and maintenance services to IFS customers worldwide.

- Developed, maintained, and optimized ERP modules with C#/.NET, ensuring usability, security, and performance across the product lifecycle.
- Performed database maintenance, report creation, and data classification using Oracle PL/SQL and application add-ons.
- Analysed through debugging, log analysis, and diagnosed problems reported by the customers, either in core or customized versions of IFS's products, according to technical design.
- Troubleshooting configuration issues with PSO(Planning, Scheduling, and Optimization) workbench integration for IFS applications.
- Implemented bug fixes, enhancements, and testing processes in Centura, IEE, and Aurena clients.
- Solved issues with IFS Report Designer and IFS lobbies by regenerating report models and providing proper security permission sets
- Involved in providing solutions/fixes released by the product development team, as well as providing customized solutions to resolve reported issues, mostly including data repair activities for rectifying inconsistencies in the customer environments.
- Assisted peers in completing assignments on time, including coaching and mentoring activities.

Projects

Easy Shopper API

May 2022 - Oct 2022

Built a microservices architecture-based, event-driven e-commerce platform in C#/ .NET, exposing REST APIs.

- Implemented repository pattern and CQRS architecture with Mongo DB.
- Designed and documented REST APIs using OpenAPI (Swagger UI) for interactive developer testing and integration.
- Multiple endpoints for CRUD operations connected through Rabbit MQ over MassTransit.
- Resiliency ensured with Polly circuit breakers for retry policy, bulkhead isolation policy.
- Implemented distributed caching with Redis to improve performance and scalability.
- Implemented Routing Slip (MassTransit Courier) to orchestrate multi-step orders with per-step compensation, improving failure recovery and reducing cross-service coupling.
- Developed and executed unit tests using NUnit to validate .NET services, increasing code reliability.

Event booking - Face painting and Balloons

Jun 2025 - Present

Website to get bookings for events. Implemented using MERN stack.

- Display face painting, balloon designs, and promotions.
- Check bookings through the admin dashboard.
- Customers can book their days through a calendar with the number of kids and the location.

Core Skills

Back-End Languages & Frameworks: C#, .NET / .NET Core, Node.js, ASP .NET Web API, Entity Framework, Oracle PL/SQL

Front-End Development: React, Blazor, HTML, CSS

Databases and caching: MS SQL Server, Oracle 12c, Mongo DB, Azure Cosmos DB, Redis

Cloud & DevOps: Microsoft Azure, App Services, Durable Functions, Azure DevOps, CI/CD

Architecture & Practices: Monolithic/Microservices Architecture, Repository, Singleton, UOW, SOLID Principles, object-oriented programming (OOP)

Tools & Platforms: Visual Studio, VS Code, Git, Jira

Testing & Performance: Unit Testing, Nunit

Education

Robert Gordon University, UK

Jan 2020 - Dec 2022

M.Sc. Business Analytics

University of Colombo, Sri Lanka

Jan 2014 - Dec 2017

B.Sc. Computer Science

Certificates

Azure Developer Associate

Jan 2024

Microsoft

Additional

- Available to work full-time | Open to Relocate | References available upon request.