


SUMMARY

Full-Stack Software Engineer with 2+ years of experience specializing in .NET Core and React/TypeScript, with additional skills in AngularJS, Node.js, Spring Boot, and NestJS. Experienced in developing scalable, high-performance web applications and managing cloud infrastructure on Azure and AWS platforms.


Strong background in microservices architecture, Microsoft Graph API integration, OAuth 2.0 implementation, and comprehensive database management (MySQL, MongoDB). Experienced with CI/CD and version control systems. Passionate about clean code practices, creative UI/UX design, and collaborating with cross-functional teams to deliver impactful solutions.


EXPERIENCE




FULL STACK SOFTWARE ENGINEER

Sonic Labs

 Nov 2024 - Present


 Colombo, Sri Lanka


- Designed and supported a **multi-tenant admin portal**, ensuring scalability and high availability.
- Implemented multi-provider authentication using **OAuth 2.0** protocols for Microsoft, Google, and RM Unify integration, enabling secure enterprise sign-in options.
- Collaborated closely with **UK-based** client to manage feature rollouts, technical planning, and production releases.
- Led **client meetings and technical walkthroughs**, delivering user-centric, responsive UI/UX solutions.
- Tech Stack:** .NET Core, React (TypeScript), Azure Functions, Azure App Services, Microsoft Graph API, OAuth 2.0, SQL Server
- Projects:** *Broadband Portal (UK Project), RM Community Connect (CC5) (UK Project)*




ASSOCIATE SOFTWARE ENGINEER (FULL STACK)

Expnertic

 May 2024 – Nov 2024


 Colombo, Sri Lanka


- Managed CI/CD pipelines using **Azure DevOps Services** to ensure seamless integration and deployment processes.
- Integrated **Duende Identity Server** for enhanced authentication and authorization, ensuring robust security and seamless user management within the application.
- Developed and maintained web applications using **ASP.NET Core** with **CLEAN architecture** and **CQRS pattern**, ensuring high performance and scalability.
- Worked with **Dapper ORM** for efficient data access and manipulation.
- Integrated **Redux Toolkit** for state management in complex client-side applications.
- Tech Stack:** ASP.NET Core, React (TS), MS SQL, Azure DevOps, Duende Identity Server, Dapper ORM, CQRS, CLEAN Architecture, Redux Toolkit
- Projects:** *Testing Automation App (Web Application for QA), Centralized Identity Management System (Duende Identity Server), Admin Portal for QA application*




TRAINEE SOFTWARE ENGINEER (FULL STACK)

Expnertic

 Dec 2023 – May 2024


 Colombo, Sri Lanka


- Integrated **Stripe payment gateway** into a QA and testing application, streamlining payment processing.
- Developed and maintained web applications using **ASP.NET Core** with **CLEAN architecture** and **CQRS pattern**, ensuring high performance and scalability.
- Worked with **Dapper ORM** for efficient data access and manipulation.
- Integrated **Redux** for state management in complex client-side applications.
- Tech Stack:** ASP.NET Core, React (TS), MS SQL, Azure DevOps, Stripe Payment Gateway, Dapper ORM, CQRS, CLEAN Architecture, Redux, Entity Framework (EF)
- Projects:** *Testing Automation Application (Web Application for QA)*



INTERN SOFTWARE ENGINEER (FULL STACK)

Rapid M3

 Jan 2023 – June 2023

 Moratuwa, Sri Lanka

- Collaborated with a cross-functional team under senior developers.
- Developed and maintained large-scale student management systems handling comprehensive academic and administrative workflows.
- Managed **CI/CD pipelines** within Bitbucket, handling version control, automating deployments, and using Jira for project tracking and issue management to ensure efficient software delivery.
- Practiced agile development practices.
- Tech Stack:** React (TS), AngularJS, Spring Boot, MySQL
- Projects:** *Aquinas College Student Management System, Viyathnena, IAESL App*



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- <https://github.com/ImalshaRC>
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EDUCATION




B.Sc. (Hons) in Information Technology, specializing in Software Engineering

Sri Lanka Institute of Information Technology (SLIIT)

- Graduated with Second Class Honors Lower Division.


 2020 - 2023



G.C.E. Advanced Level (2019)

Rahula National School

- Combined Math - C
- Physics – C
- Chemistry – C

 2011 - 2018

SKILLS

Frontend:

React

Angular

Shadcn

Redux

Tailwind CSS

HTML

Material UI

JavaScript / TypeScript

Backend:

.Net Core (C#)

Spring Boot (Java)

NodeJS (JS/TS)

NestJS (JS/TS)

Python

Databases:

MySQL/SQL Server

MongoD

PostgreSQL

Firebase

Dev Tools & Technologies:

Visual Studio

Bitbucket with Jira

Duende Identity Server

Kubernetes

Git (Version Control)

Docker

Postman (API testing)

Microservices

MediatR

OIDC, OAuth 2.0, JWT

Graylog, Lucene

Apache Superset

SAML

MS Graph API

SignalR

Confluence

Azure Boards

Miro

PROJECTS

Broadband Portal (UK Project) – Sonic Labs

Developed a web-based network management portal with **hierarchical multi-tenant architecture** supporting **2-level tenant nesting** with **third-party cross-tenant access** capabilities using **.NET Core, React (TS), Shadcn/UI**, and **Tailwind CSS**. The application allows admins to manage user IPs, DNS configurations, VPN management, firewall rules and monitor real-time network activity through dynamic dashboards. Integrated with internal APIs and supports secure logins via **Google, RM Portal, and Azure authentication**. Additionally, we used **Graylog with Lucene query filtering**, and **Apache Superset** for dashboard integration.

RM Community Connect (CC5) (UK Project) – Sonic Labs

Developed a multi-tenant admin portal for UK-based school resource management, built with **.NET Core, React (TS), Microsoft Graph API, Azure services, Microsoft Intune** and **Microsoft Entra**. The platform allows school administrators to manage users, devices, roles, licenses, and policies across Microsoft Teams and Azure groups. Integrated with **Microsoft Graph API** for handling license assignments and role-based access.

Duende Identity Server - Expernetic

Developed a standalone identity management system using **Duende Identity Server** with **clean architecture** principles. Implemented secure authentication and authorization with **OAuth 2.0/OpenID Connect** protocols, role-based access control. Built with **ASP.NET Core Identity, Entity Framework Core**, and **MediatR** for centralized permission validation.

- Clean Architecture
- Duende Identity Server
- OAuth 2.0 / OpenID Connect
- ASP.NET Core Identity

Testing Automation Application (Web App for QA Developers) - Expernetic

Developed a comprehensive enterprise-grade software testing platform with advanced test management capabilities.

- Test case creation, execution, and management workflows.
- Automated test run orchestration and comprehensive reporting.
- Milestone tracking and release management systems.
- Requirements traceability throughout the testing lifecycle.
- Automated issue logging, tracking, and resolution workflows.
- Integrated Duende Identity Server for authentication and role-based authorization.
- Implemented Stripe payment gateway with subscription management.
- Multiple pricing tiers with automated billing cycles and payment processing.
- Built using **ASP.NET Core** with **CLEAN architecture** principles and **CQRS** pattern.

Used Technologies are **ASP.NET Core, React (TS), MS SQL, Duende Identity Server, Stripe Payment Gateway with Subscriptions, Dapper ORM, CQRS, CLEAN Architecture, Redux Toolkit**

Aquinas College Main Web Application – Rapid M3

Developed a comprehensive student-facing web application featuring course registration, integrated payment processing, and an intuitive student dashboard. The application streamlines the entire student enrollment process and provides a centralized platform for academic management. Used Technologies are **AngularJS, NestJS and MySQL**.

Viyathnena – Rapid M3

Contributed to the development of Viyathnena, a sophisticated cloud-based educational platform designed to serve universities, lecturers, and students. The platform provides comprehensive educational management tools and facilitates seamless interaction between all stakeholders in the academic ecosystem. Used Technologies are **ReactJS (TS), Spring Boot and MySQL**.

IAESL Web Application – Rapid M3

Built the main web application for the Institute of Automotive Engineers, featuring comprehensive member registration, subscription management, and automated report generation capabilities. The application serves as the primary digital platform for the institute's member services and administrative functions. Used Technologies are **AngularJS, NestJS and MySQL**.

Cloud Technologies

Azure DevOps (CI/CD, Deployment, and Cloud Management)

CloudflareAzure Web Apps

Azure App ServicesMicrosoft Intune

Microsoft Entra

SOFT SKILLS

- Team Collaboration
- Time Management
- Problem-Solving
- Communication
- Leadership
- Adaptability

CERTIFICATIONS

- React - The Complete Guide 2025 (incl. Next.js, Redux) By Maximilian Schwarzmüller
- Complete C# Masterclass By Denis Panjuta

LANGUAGES

- Sinhala - (Native)
- English - (Proficient)

OTHER

Publications:

- "Enhancing Tomato Cultivation for Quality Yield and Demand Fulfillment" presented at the 6th International Conference on Advancements in Computing (ICAC). This research utilized machine learning and image processing algorithms and received certification for its contribution to the field.

Leadership Experience:

- I have actively mentored interns and junior team members in both current and past roles, offering technical guidance and supporting their integration into the team during my free time.

REFERENCES

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