

Thisaru Nadeeshan

Software Engineer

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PROFILE

I build software that connects technology with real business needs. I work as a Software Engineer at Talpha Solutions, focusing on back-end development, software design and ERP solutions built on Frappe and ERPNext, alongside AI-driven features. Earlier at the company I specialized in ASP.NET Core backends and built intelligent web applications with React, MSSQL and AI tools such as Dialogflow and Flowise AI.

My project experience includes online marketplaces, e-commerce websites, conversational AI applications and specialized enterprise software. I work across application development, database integration, deployment and technical improvements, and I'm particularly interested in maintainable systems that solve practical problems and support business operations.

EXPERIENCE

Software Engineer · Talpha Solutions · Contract · Remote · Ireland January 2026 – Present

- Focus areas: software design, back-end web development, Frappe and ERPNext, and artificial intelligence (AI).

Technologies: Frappe, ERPNext, Software design, Back-end web development, AI

Associate Software Engineer · Talpha Solutions March 2023 – January 2026

- Backend developer on a proctoring project, using C# and Visual Studio to build a robust and scalable architecture.
- Integrated AI-driven solutions to add conversational AI features to applications.
- Worked on company projects including Smylor, CityHire and Media Futures Market using agile methods on Azure DevOps.

Technologies: C#, ASP.NET Core, React, MSSQL, Dialogflow, Flowise AI, Azure DevOps

Intern Software Engineer · Talpha Solutions July 2022 – March 2023

- Worked on a face emotion project.
- Developed the company website as a full-stack web development project, and built other web projects.
- Contributed to AI implementation and managed agile boards in Azure DevOps.

Technologies: Azure DevOps

EDUCATION

BEng (Hons) Software Engineering (Top-up) · London Metropolitan University, UK 2025 – 2026

Higher National Diploma in Software Engineering · NIBM Matara · Merit pass · GPA 3.72 2022 – 2023

Diploma in Software Engineering · NIBM Matara · GPA 3.63 2021 – 2022

TECHNICAL SKILLS

Backend Development: C#, ASP.NET Core, RESTful APIs, Software design, Python, Java, Spring Boot, PHP

Frontend Development: React, Next.js, TypeScript, JavaScript, HTML, CSS, Bootstrap

Databases: MSSQL, MySQL, MongoDB, Supabase, SQL

AI and Automation: Dialogflow, Flowise AI, WhatsApp

ERP and Business Systems: Frappe Framework, ERPNext, Custom DocTypes, Business workflow customization

Tools and Delivery: Azure DevOps, Jira, Git, Postman, Visual Studio, VS Code, Vercel, Application deployment

Web Engineering: Technical SEO, Metadata optimization, XML sitemaps, Canonical URLs, JSON-LD structured data

SELECTED PROJECTS

Onadeyak.lk · Full-Stack Web Application · Online Marketplace · onadeyak.lk

An online classified marketplace designed to help users discover and publish advertisements across multiple categories.

Flower Forest · E-commerce · Business Website · flowerforest.lk

An e-commerce website for a flower and gifting business offering bouquets, cut flowers, gift packs, cakes, bridal bouquets, funeral wreaths, and vehicle surprise packages.

Vehicle Rental Management System · Business Application · ERP Customization

A vehicle rental application built on the Frappe Framework and ERPNext ecosystem, exploring vehicle records, rental workflows and business-specific data models.

Aviation MRO · Enterprise Software · Aviation Maintenance Management

A specialized aviation maintenance management application built on the Frappe Framework and ERPNext ecosystem, covering aircraft records, maintenance programs, work orders and release certificates.

Smylor · Smart Dental Platform · smylor.ch

A smart dental platform with a custom chat application and a Dialogflow-based chatbot for customer support and service automation.

CityHire · Backend Services · Tool Hire · cityhire.co.uk

Backend email services built with SendGrid, RESTful APIs in ASP.NET Core, and dynamic PDF generation with QuestPDF.

Media Futures Market · AI Conversational Web App · Media Planning · mfm.agency

An AI-powered conversational web application, built with Flowise and ASP.NET Core, that helps users with media planning.

Personal and academic projects: Ela Badu E-commerce, Guider Lanka, Gym Management System, Imashi Spare Part Web App, Electrical Billing System, Café Management System, Smart Home System, Traffic Light System.