

L. KALANA MANUPIYA JAYASEKARA

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SUMMARY

Junior Software Engineer with strong foundations in object-oriented programming, software design, and full-stack development. Experienced in building production-style, data-driven applications using React, Next.js, C#, ASP.NET, and Node.js, including CRUD-based systems, JWT-based authentication with multi-role access control, AI-integrated features, and secure payment-enabled platforms. Seeking an entry-level software engineering role to contribute to real-world systems and grow within a collaborative team.

EDUCATION

BEng (Hons) in Software Engineering (TopUp)	2025 - 2026
<ul style="list-style-type: none">London Metropolitan University (UK) via ESOF Metro CampusAcademically Completed	
Level 5 Pearson BTEC HND in Computing (Software Engineering)	2023 - 2025
<ul style="list-style-type: none">Pearson College London - ESOF Metro CampusGrade: Distinction Top Performer	
Diploma in IT (DITEC)	2023 - 2024
<ul style="list-style-type: none">Pearson College London - ESOF Metro CampusGrade: Distinction	

EXPERIENCE

Software Developer - Niolla	2024 - Present
<ul style="list-style-type: none">Collaborated in a team to design and develop ERP, CRM, and POS systems for clients across multiple domainsParticipated in requirement gathering and client discussions to understand business workflowsDeveloped and maintained features using React, Next.js, Tailwind CSS, Node.js, and RESTful APIsWorked closely with project managers throughout the SDLC to deliver client-focused solutions	

SKILLS

- Programming Languages:** JavaScript, TypeScript, C#, Python
- Frontend:** React, Next.js, Tailwind CSS, HTML, CSS
- Backend:** Node.js, Express.js, ASP.NET, .NET Framework
- Databases:** MongoDB, PostgreSQL, SQL Server, MySQL
- APIs and Authentication:** RESTful API Development, JWT-based Authentication, Role-Based Access Control
- Software Engineering Concepts:** Object-Oriented Programming (OOP), SDLC, Basic Data Structures and Algorithms
- Tools and Technologies:** Git, GitHub, Visual Studio, VS Code, Postman
- Soft Skills:** Problem-solving and analytical thinking, Willingness to learn and adapt, Team collaboration, Time management, Clear communication

KEY PROJECTS

TalentForge - AI-driven Recruitment Platform | React, Next.js, Node.js, Python, FastAPI, Flask, Prisma, PostgreSQL

- Developed an AI-powered, full-stack recruitment platform using React/Next.js, Node.js, and Python-based HuggingFace AI microservices to perform resume parsing, skill-gap analysis, job matching, and candidate evaluation through modular services for employer shortlisting. ([GitHub Repository](#))

Nexa Stays - Hotel Management Platform | React, Next.js, Node.js, Prisma, PostgreSQL, Stripe Payment Gateway

- Developed a responsive web-based hotel management system with secure online payments, automated booking/check-in/billing/reporting, improving operational efficiency and customer experience. ([GitHub Repository](#))

Star Events - Online Event Ticketing System | C#, ASP.NET MVC, Entity Framework, SQL Server

- Developed a web-based platform for event management, ticket booking, payments, and reporting with QR-coded e-tickets, secure authentication, and admin/organizer dashboards, improving efficiency and user experience. ([GitHub Repository](#))

e-Shift - Household Goods Transportation System | C#, WinForms, SQL Server

- Developed a desktop application for job management, customer tracking, fleet operations, and reporting; implemented role-based access, real-time dashboards, and Crystal Reports, improving efficiency and data accuracy. ([GitHub Repository](#))

Serendib Guide - AI Travel Chatbot | Python, Flask, Rasa, MySQL, HTML/CSS/JS

- Developed a conversational AI chatbot for personalized travel planning in Sri Lanka, integrating NLU with Rasa, backend APIs with Flask, dynamic MySQL database, and responsive web interface. ([GitHub Repository](#))

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- ThinkFest Ideathon & Hackathon 2025** - 2nd Runner-Up | ESOF 25th Anniversary, ESU Kandy - Collaborated in a team to develop innovative software solutions, demonstrating creativity, problem-solving, and teamwork.
- Leadership** - Former Vice President of ESOF Metro Campus Kurunegala Student Association, responsible for coordinating events, workshops, and student engagement initiatives.
- Dialog App Challenge 2019** - Most Impactful Idea & 2nd Runner-Up | Led school team to develop AgroMate Farming Management System, sparking early passion for IT and innovation.