

Kaweeshanethmina

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Professional Summary

Software Engineering undergraduate and Full-Stack Developer with hands-on experience designing RESTful APIs, microservices, and agentic AI / generative AI pipelines. Proficient in React.js, Next.js, Node.js, Spring Boot, Java, TypeScript, MongoDB, and PostgreSQL, with practical experience in LLM orchestration (n8n, Ollama), CI/CD, and containerized deployment (Docker, Kubernetes). Proven technical leadership as Team Lead managing 50+ engineers across Agile/Scrum delivery cycles, consistently improving system performance, code quality, and delivery speed.

Technical Skills

Languages: JavaScript, TypeScript, Java, Python, SQL

Frontend: React.js, Next.js, Redux, Tailwind CSS, Material UI, HTML5, CSS3

Backend: Node.js, Express.js, Spring Boot, RESTful APIs, Microservices Architecture

Mobile: React Native, Flutter

Databases: MongoDB, MySQL, PostgreSQL, Firebase

AI / Automation: Agentic AI Pipelines, LLM Orchestration (n8n, Ollama), Prompt Engineering, Machine Learning

DevOps & Cloud: Git, Docker, Kubernetes, AWS, CI/CD, Jest, Cypress

Practices: Agile, Scrum, Code Review, System Design, Unit Testing

Professional Experience

Gamag Recruiters

Remote

Software Engineering Intern

Aug 2025 – Feb 2026

- Developed and deployed scalable full-stack web and mobile applications supporting 1,000+ active users.
- Optimized mobile application performance, reducing response latency by 30% and achieving a 95+ Lighthouse score.
- Engineered and integrated RESTful APIs and microservices, improving backend efficiency by 25%.
- Reduced database query time by 35% through schema optimization and indexing.
- Led Agile sprint planning, code reviews, and architectural standardization for a team of 50+ engineers, accelerating delivery by 20% and cutting defect rates by 40%.

Projects

Mentora – AI-Powered Personalized Learning Platform | Team Lead, Learning Material Generator Service

Ongoing

- Designed and constructed the Learning Material Generator (LMG) microservice, an agentic AI pipeline that auto-generates personalized Java learning content based on each student’s mastery profile.
- Orchestrated a multi-agent generation workflow in n8n powered by a locally-hosted LLM (Ollama, qwen2.5-coder:7b), including Quality Review and Content Validation agents that auto-patch generated material.
- Established the Node.js/Express backend (Docker-containerized) with MongoDB Atlas, exposing REST APIs secured via JWT and inter-service authentication.
- Implemented real-time job tracking using MongoDB Change Streams with polling fallback for generation status sync.

Platoo – Online Food Ordering System | Team Lead & Full-Stack Developer

- Architected microservices handling 10,000+ monthly orders with 99.9% uptime using Node.js and Express.js.
- Integrated Stripe payment processing with Spring Boot, achieving zero transaction failures.
- Delivered a high-performance Next.js frontend integrated with MongoDB, trimming page load time by 35%.
- Containerized services with Docker and deployed via Kubernetes for scalable delivery.

Resort Aurora – Hotel Management System | Team Lead & Full-Stack Developer

- Developed an HRMS supporting 5,000+ employee records, boosting query performance by 60%.
- Created a responsive UI with React.js, TypeScript, and Material UI, increasing booking workflow efficiency by 25%.

TaskLink – Collaborative In-Code Task Tracker (VS Code Extension) | Owner & Developer

- Automated inline-comment-to-task conversion via a modular TypeScript-based VS Code extension, cutting manual tracking time by 40%.
- Enhanced extension processing speed by 45% through asynchronous file scanning and synchronization.

Education

Sri Lanka Institute of Information Technology

Malabe, Sri Lanka

BSc (Hons) in Information Technology, Specializing in Software Engineering

Feb 2023 – Feb 2027 (Expected)

– Major: Web Development — Minor: Machine Learning

Certifications

AI/ML Engineer – Stage 1 & 2, Centre for Open and Distance Education (SLIIT) — n8n – No-Code AI Agent Builder, Simplilearn — MongoDB Atlas Administration, MongoDB — DITEC – Diploma in Information Technology, E-soft Metro College — Diploma in English, British Way English Academy