HIRUNA GALLAGE

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PROFESSIONAL SUMMARY

Software Engineer building **scalable backend systems, cloud-native applications and AI-powered products**. At Olee AI LLC, designs REST APIs, microservices and database architecture with Node.js, TypeScript, Next.js and PostgreSQL, and ships LLM-powered features to production, including a conversational agent that has processed **1M+ messages**. Before that, independently designed and shipped **100+ systems for organizations across 20+ countries**, from e-commerce platforms to booking and event systems, owning each from requirements to deployment.

CORE COMPETENCIES

Backend & REST API Design | **Full-Stack (Next.js, React, Node.js)** | **TypeScript & JavaScript** | **PostgreSQL & Database Architecture** | **AI Integration (LLMs, RAG, Agents)** | **E-Commerce Platforms** | **Cloud & DevOps (AWS, Docker, CI/CD)** | **End-to-End Product Ownership**

WORK EXPERIENCE

OLEE AI LLC

Aug 2025 - Present

Software Engineer

Colombo, Sri Lanka | On-site

- Design and build **REST APIs, database architecture and microservices** with Node.js and PostgreSQL for enterprise clients
- Integrate **LLM-powered features and automation pipelines** into production applications, with a focus on scalability and maintainability
- Drive **system architecture decisions, code reviews and technical planning** across the engineering team
- Build admin platforms, business tools and dashboards used in production by enterprise clients
- Design and deliver logistics management systems, AI-powered applications and business automation platforms
- Optimize performance and reliability in production, from deployment pipelines to live troubleshooting

OLEE AI LLC

Feb 2025 - Jul 2025

Intern Software Engineer

Colombo, Sri Lanka | On-site

- Built and maintained full-stack features, developed and integrated APIs, and fixed production issues to improve user experience
- Contributed to frontend and backend development of production-ready web applications within Agile teams
- Participated in sprint planning, daily standups, testing, debugging, deployment and code review

SELF-EMPLOYED / REMOTE

2020 - 2024

Independent Software Developer

Remote

- Independently designed and shipped **100+ systems for organizations across 20+ countries**, spanning SaaS platforms, e-commerce, automation tools and AI-integrated products
- Owned projects end-to-end (requirements, architecture, implementation, deployment and client communication) using React, Next.js, Node.js, TypeScript, PostgreSQL, Docker and AWS
- Recognized as a **Sri Lanka Top GitHub Contributor** (committers.top) for sustained open-source and client delivery activity

SELECTED PROJECTS

Oleon - Conversational AI Agent **Olee AI In-House Product**

AI-powered conversational agent that has processed **1M+ messages** for business automation and customer interactions, including deployment for a fintech client.

Next.js, Node.js, OpenAI, PostgreSQL

Kapruka AI Agent ("Asiri") **Competition Project**

LLM-powered shopping concierge for Kapruka, Sri Lanka's largest online marketplace: Vertex AI reasoning, voice input and Model Context Protocol tool-calling in a conversational Next.js interface.

Next.js, Vercel AI SDK, Vertex AI, MCP

Pharmacy Distribution Automation System **Olee AI Client Project**

End-to-end pharmaceutical distribution platform that has automated **10,000+ orders** across inventory, order processing and distribution workflows.

Next.js, Node.js, PostgreSQL

Logistics Management System **Olee AI Client Project**

Logistics platform that has processed **3,000+ jobs**, streamlining job lifecycle management, billing operations and accounting workflows.

Next.js, Node.js, PostgreSQL, Docker

Vinsir **Independent**

Production e-commerce platform for a consumer electronics retailer: multi-category catalog, cart and checkout spanning TVs, appliances, air

conditioners and tech gadgets, processing real customer orders.
Next.js, Redux Toolkit, PostgreSQL

Defender Parts LK **Independent**

E-commerce platform with JWT-secured auth for an auto-parts retailer stocking **35,000+ parts** across Land Rover, Jaguar and Ford, serving individual buyers and workshop resellers.
Next.js, Redux Toolkit, PostgreSQL, JWT

Pacific Duty Free **Independent**

Duty-free shopping platform handling live promotional pricing and checkout for a Sri Lankan retailer, supporting discounts of up to 20% across its electronics catalog.
Next.js, Redux Toolkit, PostgreSQL

Nalanda Maroons - Online Ticketing Platform **Independent**

Ticketing and voucher platform for the biennial "Battle of the Maroons" alumni sporting event, handling transactions exceeding **LKR 15 million**.
Next.js, PostgreSQL, Stripe

ICPC Sri Lanka **Community**

Official site for Sri Lanka's first-ever ICPC regional contest, handling registration and event logistics for university teams nationwide.
Next.js, Framer Motion

IEEE CodeX Sri Lanka **Open Source**

Open-sourced site for IEEE CodeX Sri Lanka, running national competitive-programming initiatives (NOI, ICPC and the 24-hour IEEEXtreme hackathon) alongside a 12-week algorithms training program.
Next.js, React, Tailwind CSS

EDUCATION

MSc Information Technology (Enterprise Applications Development) Sri Lanka Institute of Information Technology (SLIIT) **2026 - 2028**
In progress, pursued alongside industry work at Olee AI LLC

BSc (Hons) Software Engineering Cardiff Metropolitan University **2022 - 2025**
Second Class Upper Division (2:1)

CERTIFICATIONS

Neo4j Certified Professional Neo4j **2025**
Postman API Fundamentals Student Expert Postman **2024**
Docker from Basics to Advanced Udemy **2024**
Spring Boot & Microservices with Spring Cloud Udemy **2024**
GenAI 101 Pieces **2024**

AWARDS & RECOGNITION

Sri Lanka Top GitHub Contributor committers.top
Finalist - Innovate with Ballerina Coding Challenge WSO2 & IEEE UoM 2024
Finalist - DevHeads 2024 Buildathon ICBT Campus 2024
Finalist - Benchmark 3.0 SLIIT 2024
Organizing Committee - ICPC Sri Lanka 2025/2026 and IEEE CodeX Sri Lanka IEEE Sri Lanka Section

SKILLS

LANGUAGES: TypeScript, JavaScript, Python, Java, PHP, SQL
FRONTEND: React.js, Next.js, React Native, Expo, Redux Toolkit, Tailwind CSS, HTML5, CSS3
BACKEND: Node.js, Express.js, NestJS, REST APIs, GraphQL, Prisma ORM, Microservices
DATABASES: PostgreSQL, MySQL, MongoDB, Supabase, Redis, DynamoDB
CLOUD & DEVOPS: AWS, GCP, Docker, Nginx, CI/CD, Jenkins, Vercel, Netlify, Linux, Git
AI & AUTOMATION: OpenAI API, LLM APIs, AI Agents, RAG, LangChain, Vertex AI, MCP, n8n, Zapier