ASITHA L. KONARA

Product-Focused Full-Stack Software Engineer

Dehiattakandiya, Sri Lanka (Relocating to Colombo)

+94 71 548 4520

Email | LinkedIn | Github | Portfolio

PROFESSIONAL SUMMARY

Product-focused Full-Stack Software Engineer with professional experience building production-ready SaaS platforms, AI systems, and automation tools. Strong in structured, phase-based development (planning → design → implementation → deployment) using modern AI-assisted workflows. Experienced with React/Next.js, Python/FastAPI, Docker, databases, and DevOps fundamentals. Seeking on-site or hybrid opportunities in Colombo to gain deep industry experience and grow rapidly.

CORE TECHNICAL SKILLS

Languages	: Python, JavaScript, TypeScript
Frontend	: React, Next.js 14, HTML5, CSS3, Tailwind CSS, Responsive UI
Backend	: FastAPI, Node.js, Express, REST APIs, Authentication (JWT, OAuth)
Databases & Caching	: PostgreSQL, MongoDB, Redis
DevOps & Tooling	: Docker, Docker Compose, Git, GitHub, Vercel, CI/CD
AI & Automation	: LLM fine-tuning (LoRA), AI-assisted development workflows, N8N automation
Design & UX	: Figma, UI/UX planning, wireframing
Testing & Monitoring	: Jest, Playwright, Sentry, Analytics

PROFESSIONAL EXPERIENCE

Full-Stack Software Developer

Lankatech Innovations — Kandy, Sri Lanka *January 2024 – Present*

- Developed and maintained full-stack web and SaaS applications using React, Node.js, TypeScript, Python, and FastAPI.
- Designed RESTful APIs and integrated PostgreSQL and MongoDB databases with clean, scalable data models.
- Implemented authentication, role-based access control, and automation scripts for internal and client systems.
- Converted Figma designs into responsive, production-ready UI components.
- Followed structured workflows from requirement analysis to deployment, using AI-assisted tools to improve delivery speed while maintaining code quality.

FLAGSHIP PROJECT

SmartStore SaaS — AI-Powered E-commerce Automation Platform

Tech: Next.js 14, TypeScript, PostgreSQL, Redis, Prisma, Docker, Stripe, Vercel

- Architected and built a production-ready, multi-channel SaaS e-commerce platform with AI-powered recommendations and business intelligence.
- Implemented secure authentication, admin dashboards, product and order management, payments, email notifications, and analytics.
- Designed scalable backend architecture using PostgreSQL, Redis caching, and Dockerized services.
- Integrated testing, monitoring, and error tracking for production reliability.

SELECTED ENGINEERING PROJECTS

JarvisX V2 — Custom-Trained AI Assistant (Mistral 7B)

Tech: Python, LoRA, Hugging Face, GGUF, Ollama

- Fine-tuned a Mistral-7B model using 137,300 domain-specific training examples across 7 operational modes.
- Built a multi-modal AI assistant supporting engineering, system monitoring, design workflows, business tasks, and bilingual (English/Sinhala) interaction.

Upload Bridge — Professional LED Matrix Design & Firmware Platform

Tech: Python, Qt, Embedded Systems, Hardware Integration

- Developed a cross-platform desktop application for designing, simulating, and deploying LED animation firmware.
- Supported 29 microcontroller platforms with real-time preview, automation engine, and OTA updates.

AutomateLanka — Enterprise Workflow Automation Platform

Tech: FastAPI, SQLite (FTS5), Docker, Kubernetes, Helm

- Built a scalable automation discovery platform indexing 2,000+ workflows and 76,000+ automation nodes.
- Designed enterprise-grade features including RBAC, analytics dashboards, and a workflow marketplace.

EDUCATION

BICT (Hons) in Software Engineering
Asia E University — BMI Campus
2021 – 2025

CERTIFICATIONS

ICT NVQ Level 4 — NYSC
Web Development Certificate — UOM (Open Learning Platform)

ADDITIONAL NOTES

- Open to on-site or hybrid roles in Colombo
- Comfortable with modern AI-assisted development workflows (planning, design, implementation)
- Strong interest in product-based companies, SaaS platforms, and engineering-driven teams