

YAHAMPATH CHANDIKA

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Full-stack engineer building web systems end to end - the interface, the services behind it, and the deployment around both. Currently putting language models into production and automating the manual work around them.

Skills

- **Languages** TypeScript · JavaScript · Java · SQL
- **AI & Agents** MCP Servers · Agent SDKs (Claude, OpenAI) · Tool Design · RAG & Vector Search
- **Frontend** Next.js · React.js · Angular · Vite · TanStack Query · Zustand · Tailwind CSS
- **Backend** Node.js · NestJS · Express · Spring Boot · GraphQL · REST APIs · Drupal
- **Databases** PostgreSQL · MySQL · Supabase · Redis · Prisma · Drizzle · Firebase · MongoDB
- **Cloud & Tools** AWS · Cloudflare · Vercel · Docker · GitHub Actions · Git · Playwright · Jira · Figma

Experience

Software Engineer | LAB360, Colombo 08.

11/2025-Present

- Stack : Next.js, TanStack, Cloudflare, AWS, Vercel, Upsun, Drizzle-ORM, Git, Drupal, Claude & OpenAI APIs
- Built MCP servers exposing Lawmatics (legal CRM), Drupal, Google Analytics and respond.io to LLMs (Claude and GPT), with typed tool schemas and dry-run/confirm write safety.
- Packaged those servers with 25+ operating skills into an internal Claude Code plugin, giving non-technical staff safe LLM access to firm systems.
- Built CaseFlow Neo, an AI case-management and client intake platform on Cloudflare Workers (D1, R2, Drizzle, Styth SSO) where a Claude agent drives a headless browser to sort and file client documents.
- Delivered a headless Drupal 11 + Next.js 15 website and a bi-directional Jira↔Lawmatics sync service.

Software Engineer | 4Axis, Colombo 03.

10/2025-08/2026

- Stack : NestJS, Prisma, PostgreSQL, Redis, React, Vite, Angular, NgRx, Firebase, AWS, Stripe, PayPal, SendGrid
- Built a multi-tenant HR SaaS (NestJS 11 + Prisma + PostgreSQL 16 + Redis) with row-level tenant isolation, permission-based RBAC, and JWT auth using httpOnly refresh cookies and Redis blacklisting.
- Delivered its attendance subsystem (biometric, mobile, QR-kiosk, CSV) and a multi-country payroll engine with versioned salary structures, OT tiers and statutory deductions.
- Built DrawingDesk, an Angular 17 SSR + PWA art-learning platform on Firebase and NgRx, with AI creative tools, SEO slug routing for courses and lessons, and i18n.
- Implemented its event ticketing on AWS Lambda, Stripe and PayPal with server-side amount computation, idempotent Firestore bookings and SendGrid confirmations.

Associate Software Engineer | Olee AI LLC, Malabe.

12/2024-10/2025

- Stack : Next.js, Node.js, PostgreSQL (Supabase), AWS, Vercel, Git
- Built and maintained Olee, a 24/7 conversational AI customer-care agent for social media platforms.
- Developed the core management platform - organization & services, chat, usage, and subscription managers.
- Delivered in an Agile workflow, coordinating tasks across ClickUp and Slack.

Software Engineer, Intern | Amerck Inc, Colombo 06.

08/2023-10/2023

- Stack : Node.js, Express, Sequelize-ORM, React, Vite, RTK Query, Tailwind
- Implemented REST APIs using Node.js, Express and Sequelize-ORM.
- Designed and developed various front-ends using Vite, Tailwind and RTK.
- Followed Agile (Scrum) practices using Jira and Confluence.

Software Engineer, Intern | Medisense Laboratory, Battaramulla.

04/2022- 09/2022

- Stack : React, Java, Spring Boot, MySQL, Figma
- Developed backend features using Java and Spring Boot, backed by a MySQL database.
- Contributed to database design and system architecture for the lab's applications.
- Led the UI/UX design process in Figma, delivering clean, user-friendly interfaces.

Projects

MediLab – Medical Laboratory Management System - SaaS

- **Stack:** *Next.js, React, Prisma, PostgreSQL, Supabase, NextAuth, Tailwind CSS, Shadcn UI, Recharts, Vercel*
- A commercial product of my own, co-built with one other engineer, sold to diagnostic labs and running in production with paying customers; deployed as a separate instance per lab.
- Carries a patient end to end: registration, test ordering, billing, and the finished PDF report delivered over WhatsApp automatically.
- Test catalogue with drag-and-drop parameter grouping, referrer commissions derived per order, role-based access, and a human-readable audit log over every change.
- Analytics across tests, orders and revenue with PDF export, and automated database backups.

E-Commerce Platform – Multi-Store SaaS (PWA)

- **Stack:** *Next.js, React, Supabase, Tailwind CSS, Shadcn UI, Recharts, Vercel*
- Multi-tenant SaaS platform where each store operates independently, managed centrally through a super-admin control panel.
- Customer storefront with cart, checkout, category filtering/sorting, image carousels, and real-time order tracking.
- Per-store admin dashboard for order/product management, PDF invoices, sales analytics, and installable offline (PWA) support.

Tuition Manager – Multi-Tenant SaaS

- **Stack:** *Next.js, React, Supabase, Tailwind CSS, Shadcn UI, Recharts, Vercel*
- Multi-tenant SaaS for tuition institutes, each served on its own subdomain with isolated data.
- Teacher/admin panel with student and class management, plus Excel import/export for bulk data.
- Secure email-based auth with password reset, scheduled cron jobs, automated backups, and offline PWA support.

Richmond College 150th Anniversary Raffle Website

- **Stack:** *Next.js, Tailwind CSS, Shadcn UI, Supabase, Vercel, Stripe*
- Online ticket purchasing platform featuring multi-tier ticketing, real-time prize pools, and sales competition.
- Responsive design, Stripe payment integration, automated email notifications, and secure user authentication.
- Developed separate admin dashboard for comprehensive raffle management and ticket monitoring.

FutsalHub – Futsal Club Management Platform (PWA)

- **Stack:** *Next.js, Supabase, Tailwind CSS, Shadcn UI, Recharts, Vercel*
- Club management PWA for players, matches, and team statistics, with role-based admin access.
- Built player profiles, match scheduling/tracking, stats dashboards, and a photo gallery.
- Implemented web push notifications, image uploads (Vercel Blob), and installable offline (PWA) support.

Explore more projects on my portfolio website for a broader view of my work. - [Visit Portfolio](#)

Education

BSc Engineering (Hons) in Computer Systems Engineering | GPA - 3.57 | 2nd Upper Div.

2024

- NSBM Green University, Homagama, Sri Lanka

Physical Science - Combined Mathematics - A | Chemistry - B | Physics - C

2019

- Richmond College, Galle, Sri Lanka.