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PROFILE

I started in design. I have always worked in small startups where the lines between roles are thin, so I got the chance to take on real engineering work and took it. Today I build products end to end: I start from the user problem, prototype it, and ship it across frontend, backend and integrations, then keep improving it based on how people actually use it. Most recently I was Lead Software Engineer on Arvi Health, a multitenant AI clinical documentation platform used daily by medical clinics in Australia. I have also built and operated four products of my own, and recently rebuilt the TapPlayer NFC music apps, shipping the Android app to Google Play in under 50 hours of work. I build with coding agents such as Claude Code and review every diff myself, because using AI well takes more engineering judgment, not less.

SKILLS

Product engineering	Customer discovery, scoping, prototyping, end to end delivery, iterating on usage and feedback, owning features in production
AI agents and automation	LLM agents, OpenAI, Anthropic, function calling, tool use, guardrails, RAG, messaging automation, workflow automation
Frontend	React, Next.js, React Native, TypeScript, responsive UI, dashboards, turning complex workflows into simple interfaces
Backend and APIs	Python (FastAPI, Flask), Node.js, TypeScript, REST API design, relational data modelling, migrations
Integrations	Third-party APIs, WhatsApp messaging, subscription billing, OAuth2, HL7, FHIR, connecting to existing systems
Data and cloud	PostgreSQL, Redis, Docker, Google Cloud Run, Git-based CI/CD, EAS, automated testing
SaaS and reliability	Multitenant SaaS, access control, audit logging, monitoring, tracing, structured logging, production migrations
UX and design	Figma, user flows, interaction prototyping, design systems, usability, working directly with founders and users

EXPERIENCE

Product Engineer (Contract) TapPlayer GmbH, Thurgau	Jul 2026 to present
- Rebuilt the TapPlayer NFC music card apps for iOS and Android in React Native, working alone, using NTAG 424 DNA secure NFC cards. - Shipped the Android app to Google Play in under 50 hours of work; the iOS app is about 90% complete. The original apps and admin site had taken an agency about a year and a half. - Built the admin side for card and content management end to end, including the relational data model, the API and the frontend, working directly with the founder on what to build first. - Owned the release pipeline through EAS, builds and store submissions, directing coding agents throughout with every diff reviewed.	
Lead Software Engineer Hype Insight Pty Ltd, Colombo, remote	Feb 2026 to Jun 2026
- Led delivery on Arvi Health, a multitenant clinical documentation platform that turns a recorded consultation into a structured clinical note, used daily by medical clinics in Australia. - Ran discovery with clinicians to define what an acceptable AI generated note looks like, then turned it into acceptance criteria, golden sets and regression runs so output quality became measurable instead of a matter of opinion. - Owned the frontend, the API and data model behind it, and the release pipeline to both app stores, seeing every feature from requirement through to what users received.	

- Owned one production cloud migration end to end, with access control and audit logging, in a regulated, audit sensitive environment.
- Point between engineering, design and the business; led planning, refinement and delivery and mentored juniors. Hype Legend award, April 2026.

UI/UX Engineer | Hype Insight Global, Colombo

Apr 2025 to Jan 2026

- Full time on Arvi Health, designing and building the documentation workflows and the interface around the model output.
- Specified components in Figma, built and reviewed the implementation, and kept design and code in sync through development and QA.

UI/UX Designer, then UI/UX Engineer | Hype Invention, Colombo

May 2023 to Apr 2025

- Designed and built chatbots, LLM assistants, AI agent and analytics dashboards for international clients, owning product areas from requirements to handover.
- Built design systems, service blueprints and journey maps; mentored junior designers.

Junior UI/UX Designer | Prime One Global, Colombo

Jun 2022 to Mar 2023

- User research, personas, wireframes, prototypes and responsive HTML and CSS pages, with conversion work through A/B testing.

Junior Web Designer | Eminent Brands, Colombo

Jan 2022 to Jun 2022

- Responsive marketing pages in HTML and CSS, plus brand collateral.

PRODUCTS BUILT AND OPERATED INDEPENDENTLY

Four products I built to solve problems I had myself, each taken alone from idea to live users. Case studies on selvadinesh.com.

HabitChat, agent inside WhatsApp | habitchat.app

Live agent with a defined role, explicit guardrails and a bounded tool scope, with subscription billing built in. Behaviour lives in the prompt and a small set of function calls, so it can change without touching the code.

Rivise, AI study platform | rivise.app

Next.js application with a full RAG pipeline: ingestion, chunking, embeddings, vector search and context assembly, so answers stay grounded in the user's own material. Data held in the EU.

OpenTrace, second place, Medblocks FHIR App Challenge | opentraces.vercel.app

Built in 15 days: an LLM reasoning layer that surfaces unclosed diagnostic loops on a FHIR server, integrated through CDS Hooks so results appear inside the system users already work in.

SortCopy, clipboard manager for Windows and macOS | sortcopy.com

Desktop utility taken from idea to live users.

Swiss {ai} Weeks Hackathon Zurich, Sept 2026 | Kraftwerk Zurich

Viseca challenge «Agent on a Leash»: a control and guardrails layer for AI shopping agents in payments. Team build in 36 hours; my role was build, UX and the demo pitch.

EDUCATION

Computer Software Engineering, Open University of Sri Lanka, 2021 to 2026

CERTIFICATES

AI Foundations: Machine Learning, LinkedIn

Build a Real FHIR App, Medblocks

Healthcare Data Management & Interfaces, Illinois Tech

Agile Project Management, Coursera

LANGUAGES

German: B2, Goethe-Zertifikat

English: C1, professional

Tamil: native