

# HIRUSH GIMHAN MALWATTA

## Senior Full Stack Software Engineer

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### PROFESSIONAL SUMMARY

I am a Senior Full Stack Engineer and Co-Founder with over 4+ years of hands-on experience, having grown from an intern through freelance work into senior-level contract roles with global clients. I specialize in React, Next.js, Node.js, TypeScript, and cloud architectures on AWS. Throughout my career I have built and shipped enterprise ERP systems, healthcare platforms, learning management systems, inventory tools, and event management applications. I enjoy working with AI technologies including OpenAI, Gemini, and Anthropic APIs, and regularly integrate them into the products I build. I hold a BSc (Hons) in IT from SLIIT graduating with Second Class Upper Division, placed in the Top 12 teams at Microsoft Imagine Cup 2023 in the SEA region, and had my final year research nominated for NBQSA 2022 and WSA national pre-selections.

### TECHNICAL SKILLS

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|---|--|--|
| <b>Languages</b><br>TypeScript, JavaScript, Java, Python (basic), HTML5, CSS3/SCSS, SQL, NoSQL              | <b>Frontend</b><br>React, Next.js, Vite.js, Angular, Tailwind CSS, Material UI, Bootstrap, Framer Motion, Redux      | <b>Backend</b><br>Node.js, NestJS, Express, FastAPI, Spring Boot, GraphQL, REST APIs, Socket.io, Prisma                          |
| <b>Databases &amp; Storage</b><br>PostgreSQL, MySQL, MongoDB, DynamoDB, Amazon RDS, AWS S3, Redis, Firebase | <b>Cloud &amp; DevOps</b><br>AWS, Azure, Google Cloud, Docker, Kubernetes, CI/CD, GitHub Actions, Nginx, Vercel, Git | <b>AI &amp; APIs</b><br>OpenAI, Gemini, Anthropic, Google AI Studio, Stripe, Twilio, Auth0, OAuth 2.0, RingCentral, EDI, AWS SDK |

### DOMAIN EXPERTISE

[Enterprise ERP](#) · [Healthcare & HIPAA](#) · [LMS](#) · [Inventory Management](#) · [Event Management](#) · [E-Commerce](#) · [Restaurant Management](#) · [Trading Platforms](#) · [AI Applications](#)

### PROFESSIONAL EXPERIENCE

#### Co-Founder & Senior Software Engineer · [Vennisys](#) · [Sri Lanka](#) 2022 – Present

[vennisys.io](#) · *React, Next.js, TypeScript, Node.js, NestJS, AWS, PostgreSQL, MongoDB, Redis, Docker, Stripe*

- Co-founded Vennisys and grew it into a software company that delivers production-grade platforms across multiple industries, taking ownership of architecture decisions, client relationships, and full project delivery from scoping through to deployment.
- Built a Smart Inventory Management System using React Native, Node.js, PostgreSQL, Redis, and Barcode SDK, designed for high-accuracy scanning and real-time stock tracking across large product catalogues.
- Developed EventFlow Pro, a complete event management platform where service providers and clients connect, communicate, and plan events end to end, along with a Restaurant Management Platform covering order processing, menu management, and Stripe payments.

#### Senior Software Engineer · [JX](#) · [Remote](#) — [Los Angeles, CA, USA](#) Aug 2023 – Feb 2026

*Contract · Remote · 2 yrs 7 mos · TypeScript, React, Next.js, Node.js, NestJS, PostgreSQL, DynamoDB, Redis, AWS, Docker, Kubernetes*

- Designed and built multi-tenant ERP systems with role-based access control and encrypted data handling to meet regulatory compliance requirements, integrating communication platforms including RingCentral and Zoho Mail alongside payment processors and email services.
- Delivered a HIPAA-compliant Healthcare Patient Management Platform that connected multiple provider portals through REST APIs and EDI clearinghouse protocols, with Twilio SMS, payment gateway, and scheduling system integrations built in.

- Built an automated Helmet Order Form system with invoice generation that sends order confirmations to both the company and distributors simultaneously, and maintained the JX Learning Management System across Enterprise and Small Business tiers with ongoing feature development and performance work.

### **Software Engineer** · [Freelance](#) · [Fiverr & Upwork](#)

Feb 2023 – Jun 2025

Remote · [TypeScript](#), [React](#), [Next.js](#), [Node.js](#), [NestJS](#), [PostgreSQL](#), [MongoDB](#)

- Worked independently with startups, agencies, and product companies around the world to design and build full-stack web applications, handling everything from technical scoping and architecture through to final delivery. This freelance work is also how the long-term contract with JX began.

### **Associate Software Engineer** · [Technova Solutions](#) · [Sri Lanka](#)

Jan 2022 – Jul 2022

6 months · [Java](#), [React JS](#), [Spring Boot](#), [MongoDB](#)

- Worked on developing and maintaining web-based applications within a cross-functional team, contributing to code reviews, debugging sessions, and performance improvements while consistently delivering within project timelines.

### **Software Engineer Intern** · [Technova Solutions](#) · [Sri Lanka](#)

Jul 2021 – Jan 2022

6 months · [Java](#), [React JS](#), [Spring Boot](#), [Bootstrap](#), [CSS](#), [MongoDB](#), [MySQL](#)

- Started my professional journey here following the SDLC process, collaborating closely with senior engineers, engaging with clients to clarify requirements, and picking up core full-stack development skills across Java, Spring Boot, and React.

## FEATURED PERSONAL PROJECTS

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### [Flowly — AI-Powered Task Manager](#) [Next.js](#) · [TypeScript](#) · [OpenAI](#) · [Kanban](#) · [WebSockets](#)

- A collaborative project management tool I built with Kanban boards, team workspaces, a calendar view, and a built-in AI assistant that helps with task suggestions and workflow automation in real time.

### [DeepFlow — Order Flow Trading Terminal](#) [React](#) · [TypeScript](#) · [WebSockets](#) · [Real-time Data Visualization](#)

- A professional-grade trading terminal with order flow analysis, live market data feeds, and advanced charting tools built for both retail and institutional traders.

### [AskOut — Social Connection App](#) [React](#) · [QR Code Generation](#) · [Real-time Dashboard](#) · [WhatsApp API](#)

- A fun social platform where users fill in their profile, generate a QR code or shareable link, and show it to people they want to connect with. The sender gets a real-time dashboard to track responses, and matched users can connect through WhatsApp or social media.

### [VORI — Premium Fashion E-Commerce](#) [Next.js](#) · [TypeScript](#) · [Tailwind CSS](#) · [3D Shader](#) · [Framer Motion](#)

- A fashion e-commerce platform with a premium feel, featuring interactive 3D product displays built with shaders, smooth Framer Motion animations, a full checkout flow, and delivery management. Backend work is ongoing.

## EDUCATION

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

March 2023

[Sri Lanka Institute of Information Technology \(SLIIT\)](#) · Weighted GPA: 3.31, Second Class Upper Division

- Competed in the Health Category of Microsoft Imagine Cup 2023 and placed in the Top 12 teams across the SEA NM Region.
- Final year research project was nominated for both the NBQSA 2022 awards and WSA national pre-selections by SLIIT.