

HIRUSH GIMHAN MALWATTA

Senior Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 4+ years building and shipping production systems — enterprise ERP, HIPAA-compliant healthcare platforms, LMS, inventory, and event platforms — for a US-based company and international clients. Strong in React, Next.js, Node.js, TypeScript, and AWS, with hands-on AI integration (OpenAI, Gemini, Anthropic) built directly into products. Comfortable owning architecture and delivery end-to-end, from scoping through deployment.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, NoSQL, HTML5, CSS3/SCSS

Frontend: React, Next.js, Vite, Angular, Redux, Tailwind CSS, Material UI, Framer Motion

Backend: Node.js, NestJS, Express, FastAPI, Spring Boot, GraphQL, REST APIs, Socket.io, Prisma

Databases & Storage: PostgreSQL, MySQL, MongoDB, DynamoDB, Amazon RDS, Redis, AWS S3, Firebase

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, CI/CD, GitHub Actions, Nginx, Vercel, Git

AI & Integrations: OpenAI, Gemini, Anthropic, Stripe, Twilio, AWS Cognito, Auth0, OAuth 2.0, EDI (Office Ally, Availity), RingCentral, Zoho email, Gmail API

Domain Expertise: Enterprise ERP, Healthcare & HIPAA, LMS, Inventory, Event Management, E-Commerce, Restaurant, Trading Platforms, AI Applications

PROFESSIONAL EXPERIENCE

Senior Software Engineer — JX

Aug 2023 – Feb 2026

Contract · Remote (Los Angeles, CA, USA)

- Architected a multi-service ERP platform unifying Immigration, Accounting, Trucking, and Tax operations for a US firm of 15+ staff serving 4,500+ clients — real-time Kanban boards, calendar with conflict detection, document management, and fast full-text search behind a 4-tier role-based access system. *(React, TypeScript, AWS AppSync, GraphQL, Socket.io, MeiliSearch)*
- Built a HIPAA-compliant Healthcare Patient Management Platform used by 20+ staff to manage 2,500+ patients — connecting multiple provider portals via REST APIs and EDI clearinghouse integrations (Office Ally, Availity), with MFA and role-based access, SMS/email comms, secure document storage, scheduling, and recurring medical-equipment logistics. *(React, AWS Cognito, Twilio, Gmail API, AWS S3, EDI)*
- Delivered enterprise integrations across communication platforms (RingCentral, Zoho Mail, QuickBooks), email services, and payment processors for secure multi-tenant systems.
- Built a configure-to-order ordering portal used daily by 100+ distributors (1–5 orders each), auto-generating order PDFs and dispatching 100–500+ order emails per day to company sales and all respective parties on submission — replacing the previous manual download-and-send process with automated pipeline. *(Next.js, TypeScript, jsPDF, pdf-lib)*
- Owned and scaled a two-tier (Enterprise / Small Business) Learning Management System with ongoing feature development and performance work. *(Next.js, NestJS, PostgreSQL, MongoDB)*

Freelance & Independent Software Engineer

2022 – Present

Remote · Global clients (Fiverr, Upwork & direct)

- Shipped EventFlow Pro, a two-sided event management platform connecting service providers and clients to communicate, plan, book, and manage events end-to-end, with in-app messaging, scheduling, and integrated payments. *(Next.js, TypeScript, PostgreSQL, Stripe, WebSockets)*
- Built a smart inventory management system that turns phones into barcode scanners (UPC/EAN/QR with ML recovery of damaged codes) — real-time multi-warehouse tracking across 5 sites, automated reorder alerts, and offline-capable delta sync. *(React, Node.js, Express, PostgreSQL, Redis)*
- Developed a restaurant management platform covering order processing, menu management, and online payments. *(React, Node.js, MongoDB, MySQL, Stripe, Redis)*
- Partnered with startups, agencies, and product companies worldwide, owning technical scoping, architecture, and delivery end-to-end — the freelance track that led to the long-term JX contract.

Associate Software Engineer & Software Engineer Intern — Technova Solutions

Jul 2021 – Jul 2022

Sri Lanka

- Built and maintained web applications in a cross-functional team following the full SDLC — feature development, code reviews, debugging, and performance optimization. *(Java, Spring Boot, React, MongoDB, MySQL)*
- Progressed from intern to associate engineer; engaged directly with clients to gather and clarify requirements.

SELECTED PERSONAL PROJECTS

- **Wedloom(on-going)** — Trilingual (Sinhala/Tamil/English) animated e-invitation SaaS — per-guest personalized links, WhatsApp delivery, live RSVP analytics, and a QR “Memory Wall” for real-time guest photos. *Next.js, TypeScript, Node/Express, Prisma, PostgreSQL, Socket.io*
- **Flowly** — AI-powered task manager with Kanban boards, team workspaces, and a built-in AI assistant for task suggestions and workflow automation. *Next.js, TypeScript, OpenAI, WebSockets* · flowly-task-manager.vercel.app
- **DeepFlow** — Professional order-flow trading terminal with real-time market data feeds and advanced charting for retail and institutional traders. *React, TypeScript, WebSockets, Lightweight Charts* · deepflow-trading.vercel.app
- **AskOut** — Social connection app that generates shareable QR codes/links with a real-time sender dashboard and instant match connect. *React, TypeScript, Supabase Realtime* · ask-me-out-babe.vercel.app
- **VORI** — Premium fashion e-commerce platform with interactive 3D product displays, an animated storefront, checkout flow, and delivery management. *Next.js, TypeScript, Tailwind CSS, GSAP, Framer Motion* · tryvori.vercel.app

EDUCATION

BSc (Hons) in Information Technology — Software Engineering

March 2023

Sri Lanka Institute of Information Technology (SLIIT) · Second Class Upper Division · Weighted GPA 3.31

- Microsoft Imagine Cup 2023 (Health Category) — Top 12 teams, SEA region.
- Final-year research nominated for NBQSA 2022 and WSA national pre-selections.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Cloud Technical Essentials — Amazon Web Services (Coursera)
- Microsoft Azure — Fundamentals of Cloud Computing
- Java Certification — SoloLearn · Selenium Web Automation Testing
- Hacktoberfest 2022 Winner — DigitalOcean (open-source contributions)