

Sa Aung Htet Nyein

Senior Frontend / Full-Stack Engineer

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[LinkedIn](#) · [GitHub](#) · [Portfolio](#)

SUMMARY

Senior full-stack engineer with 5+ years of experience architecting and delivering AI-enabled web platforms, enterprise dashboards, and customer-facing products across Southeast Asia and Singapore. Led frontend engineering for an AI-driven ERP platform and now delivers LMS platforms, interactive games, Shopify storefronts, and AI image-generation services for global clients. Deep expertise in **React/Next.js**, **TypeScript**, **scalable frontend architecture**, and **LLM integration**.

CORE SKILLS

Languages	TypeScript · JavaScript · Python · PHP · C#
Frontend	React · Next.js · Vue · Nuxt · Astro · React Native · Tailwind · shadcn/ui · Radix · MUI
Backend & Data	Node.js · Express · FastAPI · Laravel · PostgreSQL · MongoDB · MariaDB
AI / LLM	LangGraph · OpenAI · Gemini · Prompt engineering · RAG · AI image generation
Cloud & Tools	AWS · Docker · GitHub Actions · Vercel · Shopify (Liquid) · GA4/GTM · Jest · Cypress

EXPERIENCE

Full-Stack Developer (Freelance) Aug 2024 — Present

Independent · Remote

- Deliver production-ready LMS platforms, marketing sites, web/HTML5 games, and Shopify storefronts, owning features from discovery and technical design through deployment.
- Architected an AI image-generation API integrating multiple LLM providers; handles 200+ requests per day while reducing median generation latency from ~60 seconds to ~45 seconds.
- Engineered custom Shopify themes with Liquid, JavaScript, and SCSS, leading architecture, performance optimization, and conversion-focused interface improvements.
- Built cross-platform interactive games in Unity (C#), implementing gameplay logic, responsive UI systems, and platform integrations.
- Select and apply the right stack across React, Next.js, TypeScript, Python, and Laravel within a distributed, remote-first team.

Lead Frontend Engineer Apr 2024 — Jul 2024

Nuos Magicko · Bangkok, Thailand

- Led frontend architecture for an AI-driven ERP platform featuring workspace-based AI assistants and AI-generated content in partnership with FastAPI and LangGraph engineers.
- Delivered enterprise React dashboards with streaming AI chat, structured tool-call rendering, and multi-tenant workspace workflows.
- Established reusable component patterns and frontend standards for reliable, long-running AI interactions.
- Partnered with product and UI/UX teams to shape and deliver the platform's core user journeys.

Frontend Developer Jan 2023 — May 2024

Rezerv · Singapore

- Built a Progressive Web App serving 1,000+ SMB customers across fitness, education, and entertainment, including scheduling, booking, and no-code website-building capabilities.
- Improved load performance by ~35% across package and membership workflows through code splitting, image optimization, and render-path refinement.
- Introduced reusable component patterns and frontend conventions that were adopted across the engineering team.
- Translated detailed Figma designs into accessible, pixel-accurate React interfaces while contributing to architecture and feature-scoping decisions.

EXPERIENCE — CONTINUED

Senior Frontend Developer Jun 2022 — Jan 2023

D3SG · Singapore

- Led frontend delivery for a digital insurance platform, creating responsive multi-device experiences for complex quotation and purchase journeys.
- Architected reusable form and validation frameworks supporting intricate insurance-product configurations.
- Defined coding standards, led code reviews, and mentored three junior engineers in performance and code quality.
- Integrated third-party partner services that expanded the product's customer-facing capabilities.

Full-Stack Developer (Freelance) Sep 2022 — Dec 2022

Aidma Holdings · Japan (Remote)

- Modernized a large Laravel and Vue.js (Quasar) codebase, containerizing it with Docker to improve maintainability and accelerate developer onboarding.
- Delivered backend and frontend features within the existing platform while rebuilding the marketing site for responsive, cross-browser performance.
- Collaborated asynchronously with a Japan-based team and documented technical decisions in clear implementation specifications.

Frontend Developer Aug 2021 — May 2022

Xsphere · Yangon, Myanmar

- Developed responsive, interactive applications with React, Next.js, Vue, and Nuxt for client and internal products.
- Implemented polished interfaces and animations from design specifications in close partnership with designers and product managers.
- Contributed to full-stack features spanning API design and database engineering.

EDUCATION

B.Sc (Hons) Computing — First Class Honours Jun 2024 — Jul 2025

University of Greenwich, London, UK

B.C.Sc Software Engineering Dec 2016 — Jan 2021

University of Information Technology (UIT), Yangon, Myanmar

AWARDS

AWS Myanmar Hackathon — Participant 2020 · Ooredoo Myanmar UI/UX Appathon 2020