Kyle Nguyen

HCMC, Vietnam | LinkedIn | +84 33 736 7986 | kyle.nguyen304@gmail.com | Github | Portfolio

SUMMARY

Lead Full Stack Engineer with 9+ years of experience building and shipping high-performance applications end to end, from architecture through CI/CD, release, and production rollout. Expert in TypeScript, React, Next.js, and Node.js/NestJS. Comfortable owning products end to end in fast-moving, ambiguous environments. Works agent-natively by default, running AI coding agents in parallel under strict review and guardrails, and has integrated AI/LLM services into shipped products.

WORK EXPERIENCE

CPAxtra (Makro) — Software Engineer | Tech Lead (Remote Fulltime)

Bangkok, Thailand | April 2026 – Present

- **Technical Leadership & Delivery:** Led technical strategy, system architecture, and delivery across 3 concurrent enterprise projects (Store Hub Retail, E-VRT, and Insurance Claim Systems), coordinating cross-functional teams from design through multi-environment production rollout.
- **System & Banking Integration:** Architected high-availability integrations with external banking networks (KTB), establishing standardized API contracts, secure JWS cryptographic signing/encryption, and automated batch processing.
- **Scalable Event-Driven Architecture:** Implemented robust event-driven backends using NestJS, Kafka, and BullMQ/Redis to handle distributed transaction retries, real-time status updates, and automated event notification pipelines.
- **Enterprise Security & Compliance:** Standardized platform access governance by engineering enterprise SSO, strict RBAC, and audit-ready data tracking across high-compliance financial and insurance workflows.
- **Modern Frontend & Modular Systems:** Drove frontend modernization leveraging Next.js, React, and Module Federation to build performant, decoupled micro-frontends embedded seamlessly into the primary Store Hub platform.

Shipfox — Software Engineer (Remote Contractor)

France | November 2025 – April 2026

- Built and maintained a modern CI platform focused on build efficiency, pipeline debugging, and cost reduction.
- Led frontend development of Shipfox products (CI Tracing, Visibility Dashboard) using Next.js and React.
- Rebuilt a production observability tool as an open-source product, improving transparency and developer adoption.
- Designed and developed a scalable design system from scratch, partnering closely with product designers.
- Extended and refactored backend workflows to align with evolving UX and product requirements.

Fileverse.io — Lead Front End Engineer (Remote Contractor)

Singapore | November 2023 – June 2025

- Led the development of Fileverse Portal products (Next.js, React, TypeScript, TailwindCSS): dDocs, Portal, UI Design System, dPage as SaaS offerings.
- Achieved rapid product adoption — dSheets launch generated 700K+ views within 2 days on Twitter/X.
- Built real-time collaboration features and AI-powered autocomplete and smart suggestion systems using TipTap, ProseMirror, WebRTC, IPFS, and WebSocket.
- Designed, implemented, and scaled a comprehensive UI Design System using Atomic Design, Storybook, and Chromatic.

Perx Technologies — Senior Front End Engineer (Remote Contractor)
Singapore | May 2022 – July 2023

- Developed and maintained a web dashboard using ReactJS, Redux, React Hook Form, TypeScript, and Python.
- Integrated AI tools like ChatGPT into the dashboard/automation system to enhance user interaction.
- Collaborated with cross-functional teams to develop new features, focusing on AI-driven enhancements.

PERSONAL QUALIFICATIONS

- **Ownership & Shipping:** Comfortable with full ownership and ambiguity: takes products from architecture through build, release pipelines, and production rollout, and ships fast without dropping quality.
- **Technical Expertise & Engineering Standards:** Extensive experience with React, Next.js, TypeScript, JavaScript (ES6+), Node.js/NestJS, Redux, Zustand, TanStack Query, GraphQL, REST APIs. Hands-on experience with Jest, React Testing Library, Cypress, Playwright, GitHub Actions, and TypeORM.
- **Agent-Native Workflow & AI Integration:** Uses AI coding agents as the default workflow, running them in parallel with disciplined code review, automated tests, and CI guardrails, and hand-writes the critical code. Experienced in integrating AI/LLM features into shipped products.
- **Leadership & Mentoring:** Proven ability to lead technical teams, mentor engineers, set clear goals, and conduct 1:1s. Excellent written and verbal communication skills.

EDUCATION

Seneca College of Arts and Applied Technology — Toronto, ON
BS in Computer Sciences, Software Development (GPA: 3.6/4) | Graduation: August 2020

- Graduation with Honors

SKILLS & INTERESTS

- **Languages:** English & Vietnamese — Bilingual/Native Proficiency
- **Technical:** React/Next.js, TypeScript, Node.js/NestJS, TailwindCSS, PostgreSQL, TypeORM, GraphQL (typegraphql), Apollo Client, Kafka, Redis/BullMQ, Module Federation, CI/CD (GitHub Actions), Docker, WebRTC, WebSocket, Clerk Auth, JWT, SSO/RBAC, shadcn/ui, Radix UI primitives
- **Interests:** Open-Source Software, AI and Machine Learning, Local LLM Tooling, Blockchain, Reading, Self-Improvement, Health Science and Fitness