

EXPERIENCE

Strive.limited

Full-Stack Engineer

Tokyo, Japan (Remote)

Jan. 2021 – Nov. 2024

- Developed progressive web applications with Next.js, Tailwind, Node.js, Go, GraphQL, and Relay.
- Developed iOS and Android applications using React Native/Expo.
- Performed extensive testing in Go.
- Designed mobile app UI, components, and storyboard with Figma.
- Built an AI-powered chatbot for landing pages to handle common company inquiries with RAGFlow.

Satellite.im

Front-End Engineer

Maryland, United States (Remote)

Jun. 2022 – Jan. 2023

- Developed P2P communication platform using TypeScript, Nuxt, and Rust for chat and video features.
- Implemented system-wide settings and preferences for a decentralized chat/video calling application.
- Worked with decentralized systems, including IPFS.
- Developed iOS and Android mobile app with Capacitor.
- Implemented WebRTC for real-time media streaming in a decentralized platform.

ispec.tech

Front-End Engineer

Tokyo, Japan

Sep. 2019 – Jun. 2022

- Developed admin panel for publicly listed Japanese education company, with use of Chart.js.
- Developed i18n solutions, handling dynamic content translation and locale-specific formatting.
- Led front-end development of web applications, utilizing frameworks such as Nuxt, React, and Angular.
- Designed schema and implemented NoSQL databases using Firebase.
- Extensive testing with Jest.
- Consulted with clients (in Japanese).

Power Shine

Business Owner

Melbourne, Australia

Jan. 2012 – Jun. 2014

- Built responsive, cross-browser compatible website.
- Developed and deployed full-stack web applications focused on real-time user analytics.

RECENT PROJECTS

Gallerize

Personal Project

- Developed a fully functional platform from scratch that empowers artists to reach new audiences and monetize their work via partnerships with local businesses.
- Tech: Next.js, Go; Integrations: AWS S3, Stripe, SendGrid; Hosting: Cloudflare, Linode/Akamai
- Features include secure e-commerce (Stripe), automated communications (mail, push notifications, email verification), robust HttpOnly cookie authentication, mobile-responsive PWA with QR code integration, in-app messaging, comprehensive testing, and real-time webhooks and WebSocket implementation.
- Public demo available at gallerize.nathanpower.com.au.

Corella

Job Management SaaS

- Lead front-end development for a platform with web, iOS, and Android deployments serving over 7,000 properties.
- Public demo available at demo.corella.app.

EDUCATION

Swinburne University of Technology

Bachelor of Commerce

Melbourne, Australia

- Business Information Systems
- Financial Accounting

SKILLS

Languages: English (Native), Japanese (JLPT N1), Chinese (HSK 3)

Programming Languages: TypeScript, HTML, CSS (Tailwind/SCSS), PHP, Go, Python

Technologies & Frameworks: Nuxt (Composition API), Vue, Next, React (Vite), React Native, GitHub Actions, AWS S3, Angular, Ionic, Relay, GCP, Linode/Akamai, WebRTC, Ollama, RAGFlow, GraphQL, Docker, PostgreSQL, ESLint, Prettier, Chart.js, three.js