

# SKY JIRAYU SAISUWAN

## Full-Stack Software & Web Platform Engineer

Email: skyjirayusaisuwan@gmail.com | Portfolio: sky-personal-portfolio-website.netlify.app | Mobile: (+64) 21 289 9461  
LinkedIn: linkedin.com/in/skyjirayu | GitHub: github.com/SkyJirayuDev | New Zealand (Open to NZ-wide)

### PROFESSIONAL SUMMARY

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Full-Stack Software & Web Platform Engineer with 6+ years of experience delivering high-performance websites and cloud solutions for enterprise and SME clients in New Zealand and Southeast Asia. Key achievements include launching multilingual corporate portals for CP ALL Plc (7-Eleven), producing modern marketing sites for wellness brands, and creating AI-enabled products such as Shopwise (e-commerce chatbot and recommendations) and AI-FinForecaster (financial dashboard). Skilled across React.js, Next.js, Vue.js, Nuxt.js, Node.js, FastAPI, SQL and MongoDB, and experienced with CI/CD on AWS, Vercel, and GitHub Actions. Recognised for clean code, user-centred UX, strong SEO, and effective collaboration in Agile teams that consistently deliver on time.

### TECHNICAL SKILLS

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**Frontend:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Vue.js, Nuxt.js, Tailwind CSS, SCSS, Bootstrap, Radix UI, Framer Motion, MDX, Responsive Web Design

**Backend & APIs:** Node.js, Express, Python (FastAPI, Prophet, Pandas), REST APIs, Resend

**Database:** SQL, PostgreSQL, MongoDB (Mongoose), JSON, CSV

**Authentication & Security:** NextAuth.js, JWT, bcrypt.js, Zod

**Cloud & DevOps:** Git, GitHub, GitHub Actions, Bitbucket, Docker, CI/CD, AWS (S3, CloudFront), Vercel, Railway, Netlify

**Testing & Quality:** Playwright, Vitest, React Testing Library, Jest, a11y testing (axe-core, jest-axe), Lighthouse CI

**Tools & Analytics:** VS Code, Postman, Agile (Scrum), Figma, Google Analytics, ESLint, Prettier

**Visualization & Utilities:** Mermaid, Recharts, Fuse.js

**AI:** OpenAI API

### EXPERIENCE

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#### Software Engineer/Developer (Intern to Freelance)

Sep 2024 - Present

Brightdesignth - Auckland, NZ

- Build responsive marketing websites for NZ & AU clients using Nuxt.js, Vue, Tailwind CSS, and Next.js.
- Implement mobile-first UX and on-page SEO to improve search visibility.
- Collaborate in Agile sprints; managed code reviews and branching workflows in GitHub and Bitbucket.
- Deploy CI/CD on AWS S3 & CloudFront via GitHub Actions for zero-downtime releases.

#### Full Stack Engineer (Project-Based)

Sep 2024 - Jul 2025

Auckland Institute of Studies (AIS) - Auckland, NZ

- Led two postgraduate capstone builds: Shopwise e-commerce platform and AI-FinForecaster forecasting tool (see Key Projects).
- Architected solutions with Next.js, TypeScript, FastAPI, and MongoDB; enforced quality via automated tests and GitHub Actions.
- Gathered requirements, ran user tests, and deployed to Vercel and Railway.

#### Webmaster Specialist (Thailand, Laos, and Cambodia)

Feb 2018 - Oct 2022

CP ALL Plc (7-Eleven) - Bangkok, Thailand

- Managed three multilingual corporate websites end-to-end, with Thailand site as regional head office.
- Directed content strategy, UX/UI improvements, brand consistency, and performance optimisation under KPIs.
- Coordinated cross-functional teams and led incident response for outages.
- Used Google Analytics insights to plan feature roll-outs and sustain traffic growth.

## Duty Manager

Jan 2023 - Present

Restaurant - Auckland, NZ

- Supervise staff, schedule shifts, and resolve customer issues in a high-pressure environment.
- Developed leadership and problem-solving skills transferable to software projects.

## EDUCATION

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### Master of Information Technology (MIT)

Jan 2024 - Present (Expected Aug 2025)

Auckland Institute of Studies (AIS) in New Zealand

- Award - Academic Excellence in Postgraduate Studies (MIT) 2024.

### Bachelor of Science (Computer Science)

2012 - 2016

Kasetsart University in Thailand

## CERTIFICATIONS

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**Professional Certificates:** Meta Full-Stack Engineer, Meta Front-End Developer, Meta Back-End Developer

**Specializations:** Responsive Website Development and Design (University of London), User Experience Research and Design (University of Michigan), Software Development Lifecycle (University of Minnesota), HTML, CSS, and JavaScript for Web Developers (Johns Hopkins University), Advanced JavaScript (Scrimba)

**Other:** Oracle Cloud Infrastructure Foundations, Agile with Atlassian Jira, Algorithmic Toolbox and Data Structures (UC San Diego), Datacom Software Development Simulation (Forage)

## KEY PROJECTS & ACHIEVEMENTS

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### Wellness Websites - Freelance Builds (6 sites across AU / NZ)

- Developed 6 responsive marketing websites for wellness clients (e.g., Siam Orchid Massage & Spa, Fair Dinkum Thai Massage, Ruk Thai Massage) using Nuxt.js / Vue.js, Tailwind CSS, SCSS and deployed via AWS S3 + CloudFront.
- Implemented mobile-first layouts, on-page SEO, and lightweight images/fonts to ensure fast, user-friendly experiences.

### Shopwise - Intelligent E-Commerce Platform

- Created full-stack marketplace featuring GPT-powered chatbot, personalised recommendations, fuzzy search, and admin dashboard (React.js, Next.js, TypeScript, MongoDB, AI API).
- Implemented automated testing and continuous deployment with GitHub Actions and Vercel.

### AI-FinForecaster - Financial Forecasting Web App

- Developed FastAPI + Prophet backend and Next.js dashboard for 30-360-day revenue projections with CSV upload and Recharts visualisation.
- Added export to CSV/PDF and simple CI pipeline on Railway for rapid iterations.

### Little Lemon Restaurant - Meta Capstone (React.js)

- Delivered a mobile-first React site meeting Meta certification requirements with reusable components and accessibility focus.

### Cinema Finder - Datacom Job Simulation (Forage)

- Performed code reviews, resolved critical bugs, and organised Agile sprint backlog in a simulated enterprise setting.

### The Static Restaurant Site Project

- Built a single-page restaurant app with Bootstrap, AJAX, and JSON, demonstrating dynamic data handling and responsive design.