

# WEI WONG

Full-Stack Developer

## PROFESSIONAL SUMMARY

---

Full-stack Software Engineer with 7+ years of experience across startups and enterprise environments in Japan and internationally. Specialized in TypeScript and Python, with deep expertise in API design, system optimization, and scalable web application architecture. Track record of delivering 4–10× performance improvements and leading products from concept to production launch.

## TECHNICAL SKILLS

---

**Languages:** JavaScript / TypeScript, Python, Ruby

**Frameworks:** NestJS, Express, Django, FastAPI, Flask, Next.js, React, Nuxt.js

**AI / ML:** PyTorch, TensorFlow, Keras, Hugging Face Transformers, OpenAI API, LangChain

**Web Services:** REST, SOAP, JSON, GraphQL

**Other:** Performance optimization, System design, Lead Engineer, Agile / Scrum, blockchain

## PROFESSIONAL EXPERIENCE

---

### Freelance Full-Stack Developer

*Niigata, JP | Nov 2025 –*

- Multi-agent AI Automation Platform (OmniHatch): Built orchestration framework and agent execution engine that transforms natural language instructions into autonomous workflows across multiple tools and APIs. Contributed as a full stack developer from backend to frontend of booking system.
- AI Thumbnail Generation Service: Built a Google GenAI-powered web application to generate thumbnails automatically, including template management and image pipelines
- AI Chatbots & Automation Systems: Designed and implemented multiple AI-driven workflow automation tools for client and personal projects
- Additional Web Applications & APIs: Built scalable web applications and RESTful APIs across diverse domains, integrating external services and ensuring high performance

### Full-Stack Developer · 10pct Co., Ltd

*Tokyo, JP | Nov 2024 – Oct 2025*

- Designed the system architecture and built the foundational components of a **hotel booking system** from early stage.
- Contributed as a full stack developer from backend to frontend of booking system.
- Proposed an AI-driven customer support solution, contributed to building a chatbot and automation engine using Python, model fine-tuning, and RAG.

### Full-Stack Developer · Daiichi Sankyo Co., Ltd

*Tokyo, JP | May 2023 – Oct 2024*

- Built and maintained backend systems for a **bio-chemistry online experiment platform**, including AI-assisted online experiment workflows.
- Optimized data retrieval pipelines, achieving 4–10× performance improvements through query tuning and caching strategies.
- Designed and documented RESTful APIs consumed by internal research teams and third-party integrations.
- Built and optimized reusable frontend components using Nuxt.js

### Blockchain Freelance Engineer · Independent

*Remote | Apr 2021 – May 2023*

- Delivered multiple production blockchain-based web applications for individual and business clients.
- Developed robust APIs and backend systems across several concurrent projects, consistently meeting deadlines.
- Developed user-friendly single-page application (SPA) interfaces using Next.js, React, and Vue.js..
- Managed client communication, requirements gathering, and technical scoping independently.

### Software Engineer · VTRON Technology

*Hong Kong | Oct 2019 – Mar 2021*

- Developed full-stack web applications as part of a cross-functional engineering team.
- Contributed to frontend and backend feature development within an Agile workflow.

## EDUCATION

---

### **Bachelor of Information Science**

*Graduated Aug 2019*

Hong Kong University of Science and Technology — HK