

SHUENY(SHUN-YING) WANG

Senior Frontend Engineer

shuen29@gmail.com | <https://github.io/shueny> | <https://shueny.github.io>

SUMMARY

Senior Frontend Engineer with 6+ years of experience building scalable web applications using React, Next.js, TypeScript, and Vue. Strong UI/UX foundation and a clear, structured approach to frontend architecture. Skilled in cross functional collaboration and turning complex requirements into reliable, maintainable solutions. Recently focused on AI driven internal tools and automation workflows to improve development efficiency and product quality.

EXPERIENCE

Freelance Frontend Engineer | Remote

March 2025 - Present

Base on Achstetten, Germany

- Led frontend development for a large scale medical management platform using Nuxt 3 and Vue 3, building modular and scalable components for complex clinical workflows.
- Collaborated closely with backend/UIUX teams to refine API interfaces and ensure reliable data flow in high compliance environments.

Senior Software Developer | TrendMicro (VicOne)

Sep. 2021 - Mar. 2025

VicOne delivers a broad portfolio of cybersecurity software and services for the automotive industry.

- Led development of a multilingual corporate website (Next.js, TypeScript, next-i18next) using static site generation, boosting SEO performance and reducing costs.
- Spearheaded a UI test automation framework (Cypress + TestRail + GitHub Actions) across four product modules, reducing regression testing time by 50%.
- Built an AI-powered editorial workflow (Azure OpenAI + Wagtail CMS) that automatically populates structured content from URLs, enabling self-serve content management for marketing teams similar to a marketing self-serve platform.
- Refactored legacy frontend applications into modular micro-frontends using Nx, React, and Vitest, increasing scalability, code reuse, and deployment independence.

Senior Software Developer | Synttro

May 2020 - Sep. 2021

Synttro is a company that develops team collaboration ERP systems for the B2B construction industry.

- Developed a drag-and-drop form builder (React DnD + schema validation) as a self-serve tool for non-technical users, reducing dependency on engineering.
- Introduced and maintained a unified design system (Ant Design) across modules, treating it as a design system product to ensure consistency and reusability.
- Delivered approval workflows with digital signatures and sketch tools for the ERP system.
- Integrated automated regression testing with Puppeteer, supporting CI/CD pipelines.

Software Developer | Citiesocial

May 2018 - Aug. 2019

Citiesocial is an online selection shop with that website established by Shopify.

- Collaborated with design and marketing teams to create modular campaign page templates, cutting launch time from 1 week to 2 days, supporting A/B testing and faster campaign iterations.
- Optimized SEO, driving multiple products to top Google search results (+40% organic traffic).
- Integrated Google Tag Manager, Hotjar, and GA4 to enable behavioral analytics, delivering actionable UI insights that informed marketing decisions.

- Improved checkout usability and accessibility, enhancing user experience across web and mobile.
- Boosted organic visibility through SEO improvements in HTML structure and metadata.
- Partnered with design, marketing, and backend teams to deliver fast-paced promotional campaigns.

PROJECTS

Travel Expense Assistant | Side Project2025

- Automated receipt parsing, currency conversion, and categorization tool for personal workflows.
- Designed a lightweight OCR and LLM based pipeline to extract amounts, dates, and categories from mixed format receipts.

AI Job Extraction Tool | Side Project2025

A full-stack side project that automates job description parsing and classification using AI.

- React-based tool using OpenAI API to parse and classify job listings.
- Built with React and Tailwind CSS; focused on clean UI and modular structure
- Applied prompt engineering to extract job titles, skills, and seniority from raw descriptions.

EDUCATION

- Master, Information and Learning Technology, National University of Tainan2009 - 2011
- Bachelor, Computer Simulation & Design, Shih Chien University2005 - 2009

DESIGN BACKGROUND

Graphic & Web Designer | Skyway Inc. & TUKEEN Inc.2013 - 2016

- Delivered brand-aligned web designs and marketing visuals across websites, product sheets, and event collateral, supporting business development for clients in tourism and manufacturing.
- Oversaw visual consistency across touchpoints and worked closely with dev teams to deliver pixel-accurate web assets optimized for various screen sizes.
- Designed intuitive UI layouts and applied modular design principles in page structures, which now influence my frontend approach to component architecture and scalable design systems.
- Experienced in translating abstract requirements into clear, usable visual solutions under time and budget constraints.

SPECIAL EXPERIENCES

- TrendMicro Global AI Contest2020
- Conceptualized 'GrandKid', an AI companion designed to provide emotional support and conversation for the elderly, addressing social isolation caused by busy modern lifestyles.

2013
- 2012
- Backpacking trip across Chile & Argentina (60 days)
- Wildlife Volunteer, Harnas Wildlife Foundation
- Canada Working Holiday

SKILLS

Web Application Development: React.js, Next.js, TypeScript, Nuxt, JavaScript, HTML5, CSS3, Tailwind CSS, Sass, Styled Components, Nx, Monorepo, Web Components, GraphQL, RESTful APIs
Performance & SEO: Core Web Vitals, Lighthouse, Lazy Loading, GA/GTM, Webpack, Vite
UI/UX: Figma, Adobe XD, Design Systems, Radix UI, Material UI, Storybook
Testing & CI/CD: Cypress, Playwright, Vitest, Jest, Puppeteer, GitHub Actions, Git, CI/CD
AI & Automation: OpenAI (ChatGPT), Gemini, Prompt Engineering, Web Scraping, NLP Parsing
Languages: Mandarin (Native), English (Fluent), German (A1 – Beginner)