Wei-Hsin Chen

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Tech wizard who turns complex problems into elegant solutions. I've spent a decade crafting pixel-perfect web solutions for high-profile clients' core products like Google, but my real superpower is making engineers' lives easier. Whether it's slashing review cycles or boosting productivity, I'm all about working smarter, not harder. Always at the forefront of web technologies, I'm expanding my toolkit with Astro and React while diving into AI applications because curiosity is the ultimate competitive edge.

Areas of Expertise

Front-End Development
- Design Systems
- Component-Based Architecture
- Performance Optimization
- UX/UI Prototyping
- Accessibility(a11y)
- Web Animation

Software Development
- Web Technologies
- Software Design
- Microservice Architecture
- CI/CD
- Test-Driven Development (TDD)
- Software Development Life Cycle

Leadership & Management
- Team Leadership & Mentoring
- Agile Project Execution
- Stakeholder Engagement
- Project Management
- Strategic Planning
- Cross-functional Collaboration

Experience

Huge (Google Embedded Team**) – California**   **07/2016 - 04/2024**
Roles: Tech Lead (2020 – 2024), Senior Web Engineer (2016 – 2020)

Led and mentored cross-functional engineering teams (5+ engineers) in designing, developing, and delivering high-impact marketing web solutions for Google's core products: Google for Education, Chrome, Chromebook, Chrome Enterprise, and ChromeOS. Spearheaded front-end solutions, improving user interfaces and experiences. Drove innovation, fostered continuous learning, and ensured adaptability to rapid technological shifts in web development.

Notable Contributions/Accomplishments:

- Developed a **Figma-based Webpack plugin** that automated style guide generation, **doubling development velocity** and reducing client review cycles from 5 days to 1 day.
- Engineered a highly configurable **design system** using **design tokens** and **CSS custom properties**, enabling efficient application across multiple projects and reducing setup time by 60%.
- Constructed a **React-inspired, reusable component engine** in **TypeScript/Python**, focusing on UI consistency and high performance, resulting in 40% improved interface coherence and a **200% boost in team productivity**.
- Led the development of the Perks Redemption SPA tool suite, integrating a Python content delivery microservice and CMS, which increased user engagement by 30%.
- Conducted user research and A/B testing, increasing user engagement by 15% and overall performance by 10%.
- Rebuilt Product News Service with a microservice architecture, establishing a centralized CMS that streamlined updates and enhanced data integrity across platforms.
- Revamped design and architecture of Product Detail Pages, developed a Python-based microservice and new CMS, reducing the content team's workload by 30%.
- Rearchitected the Cross-Platform Product Download system with advanced JavaScript frameworks, increasing site performance by 270%, boosting development efficiency by 40%, and reducing update cycles by 80%.
- Enhanced project and product management processes, ensuring 90% on-time delivery accuracy and accelerating completion times by 20%.
- Designed and implemented a modular component system, which reduced design and development time by 40%, and standardized UI components across multiple projects.

Additional Experience & Community Involvement

Mentor | Techtonica (Volunteer)– Remote | 08/2024 - Present

Guide early-career software engineers through apprenticeships, providing technical mentorship, pair-programming support, and career guidance.

Design and Technology Consultant | Gopomo, Inc – Remote | 09/2012 - 08/2023

Led the development of user-centric websites and mobile apps for Fortune 500 companies and international markets. Spearheaded UI/UX design and implemented agile practices, resulting in faster turnarounds and increased client conversions.

Front Developer -> Senior Web Engineer | Eveo, Inc – California | 01/2009 - 06/2016

Led web development projects for Fortune 500 clients, clients, specializing in front-end technologies and CMS implementation. Developed interactive applications across multiple channels using Flash/Flex, HTML, CSS, JavaScript, and AngularJS.

Technical Proficiencies

Script Languages: JavaScript (ES6+) | TypeScript | HTML/HTML5 | CSS/CSS3 | Sass | Python
Libraries/Frameworks: Node.js | AnimeJS | GSAP JS | React (proficient) | Astro | AngularJS | Bootstrap
Development Tools: Git | GitHub | Gerrit | VS Code | IntelliJ IDE |Webpack | NPM | Cypress | Cucumber | Jest | BackstopJS | Figma | Sketch | Photoshop | Illustrator
Agile Methodologies: Scrum | Kanban
Platforms: OSX | Windows | Linux | Google Cloud Platform

Education & Professional Development

Master of Fine Art, Computer Art: New Media | Academy of Art University - California | 2006 -2009
Bachelor of Business Administration (BBA) | National Chung Cheng University - Taiwan | 1999 - 2003

Recent Certification:

Open Source Models with Hugging Face | DeepLearning.AI | 2024
ChatGPT Prompt Engineering for Developers | DeepLearning.AI | 2024
Tech Career Skills: Moving from Developer to Engineering Manager | LinkedIn | 2024
Learn React & Advanced React | Codecademy | 2024
Google Cloud Platform Development | Google Cloud and Coursera | 2020