You Peng Chen (Dylan)

Senior Front-end Developer

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Experience

Senior Front-end Developer 91APP
New Taipei City, Taiwan
08/2024 – Present

- **Cross-Framework Rendering Architecture**: Designed and maintained a framework-agnostic rendering engine, enabling seamless UI integration across diverse tech stacks while ensuring consistent performance and design system compliance.

- **High-Performance CMS Editor**: Engineered a production-grade **drag-and-drop CMS editor** from POC to launch. Optimized complex state management and DOM update strategies to support nested layouts and high-frequency user interactions.

- **Performance Engineering**: Refactored legacy rendering logic to minimize redundant component re-renders, significantly improving system stability and responsiveness during peak traffic periods.

- **Engineering Workflow & AI**: Built an **AI-assisted code review pipeline** integrated with CI/CD, automating architectural consistency checks and routine logic validation, which reduced manual PR review latency by **42%**.

- **Technical Leadership & Mentoring**: Facilitated engineering study group and standardized technical documentation to accelerate team growth. Mentored 2 junior engineers, successfully reducing their onboarding ramp-up time from 3 months to 2.

- **Stakeholder Alignment**: Collaborated directly with Product Owners and QA teams to refine technical specifications and mitigate deployment risks, ensuring predictable delivery of complex feature sets.

Software Engineer SINBON Electronics
New Taipei City, Taiwan
07/2023 – 07/2024

- **Mobile & IoT Integration**: Developed a **React Native Ebike application** utilizing Bluetooth protocols for real-time telemetry; implemented power management strategies that reduced background energy consumption by **40%**.

- **Wearable Technology**: Built an Apple Watch application to synchronize health data with mobile devices, focusing on data integrity and low-latency transmission.

- **Quality Assurance**: Established front-end testing standards using **Jest and React Testing Library**, improving overall code reliability and facilitating safer refactoring.

Front-end Developer Colerate
Taipei City, Taiwan
04/2022 – 07/2023

- **SEO & Web Performance**: Optimized an online quiz and dashboard system, successfully increasing the **Lighthouse SEO score from 82 to 100**.

- **Interface Development**: Leveraged **Material UI** and TypeScript to build responsive, accessible web interfaces, improving user engagement metrics.

Education

Bachelor of Communication Engineering National Chung Cheng University
Chiayi, Taiwan
2017-2021

Technical Skills

- **Languages**: TypeScript, JavaScript (ES6+), HTML5, CSS3, Rust (Wasm)

- **Frameworks & Libraries**: React, Next.js, React Native, Web Components, Material UI

- **Engineering & DevOps**: CI/CD Pipelines, Docker, Webpack, Nginx, Git, Node.js, RESTful APIs

- **Testing**: Jest, React Testing Library, Unit/Integration Testing

- **Tools & Design**: Figma, Responsive Design, Performance Profiling

Education

Bachelor of Communication Engineering National Chung Cheng University
2017 – 2021

Chiayi, Taiwan

Languages

- **Chinese**: Native

- **English**: Advanced