

David Chien

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with a product-focused mindset and robust experience in frontend optimization, infrastructure modernization, and performance tuning for large-scale, React-based applications. Demonstrated expertise in build system migration, CI/CD acceleration, and cross-team collaboration. Adept at delivering measurable improvements in system performance, developer productivity, and user experience.

EXPERIENCE

• Appier

Software Engineer

Taipei, Taiwan

July 2024 – Present

- **Custom Billing Interface for Admin:** Implemented a friendly UI along with backend logic integrated with Stripe API for admin to create custom billing plan for end customers
- **Infrastructure Modernization:** Modernized monorepo infrastructure by leading migration from Yarn/Lerna to pnpm/NX, reducing CI/CD pipeline execution time by 83% (from 30 minutes to 5 minutes)
- **Logging Service:** Designed and deployed a comprehensive logging service, enabling real-time performance monitoring, session replay, and accelerating issue resolution by 15%
- **Cross-functional Collaboration:** Collaborated with cross-functional teams to implement scalable solutions and drive continuous improvement in development workflows
- **Technical Leadership:** Acted as a key decision-maker in selecting and implementing new build tools

Software Engineer Intern

July 2023 – July 2024

- **Campaign Management Dashboard:** Developed an intuitive campaign management dashboard, streamlining manager workflows and improving operational efficiency
- **Performance Optimization:** Optimized mission-critical page performance, reducing load time from unresponsive to 100 milliseconds
- **Build System Migration:** Spearheaded migration from Webpack to Rspack, achieving a 10x improvement in build times, resulting in significant improvement of product shipping pipeline
- **Design System Upgrade:** Led major design system upgrade, coordinating systematic migration of breaking changes across multiple applications and teams

• Binance

Software Engineer Intern

Taipei, Taiwan

Jan 2024 – Mar 2024

- **SQL Analysis:** Implemented a SQL analysis dashboard, enabling users to improve their SQL performance by providing advanced insights.

• LangLive

Software Engineer

Taipei, Taiwan

June 2022 – June 2023

- **WebGL Animation System:** Refactored gift animation system with WebGL, reducing CPU usage by 30% and enhancing streaming performance
- **Data Fetching Architecture:** Re-architected data fetching, cutting API calls by 50% and improving page load speed
- **End-to-End Testing:** Implemented end-to-end testing with Playwright across three products, ensuring deployment reliability and reducing production issues

PROJECTS

- **NPTU Past Exam:** Built a campus-wide past exam library webapp serving 400 daily active users
- **cvsite.cc:** Developed a web app that transforms traditional CVs into visually appealing websites
- **Alpha Point Tracker:** Developed a webapp that utilizes bscscan api to help users track their progress in the Binance alpha points event

SKILLS

- **Languages:** Python, JavaScript, TypeScript
- **Technologies:** GCP, AWS, ReactJS, NextJS, Tailwind CSS, NodeJS, CICD, FastAPI, GIT, Docker, Monorepo

EDUCATION

- **National Taipei University** New Taipei, Taiwan
Bachelor of Science in Computer Science 2019 – 2024