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**   Taipei, Taiwan
  Software Engineer   *July 2024 – Present*
  - **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**   Taipei, Taiwan
  Software Engineer Intern   *Jan 2024 – Mar 2024*
  - **SQL Analysis**: Implemented a SQL analysis dashboard, enabling users to improve their SQL performance by providing advanced insights.

- **LangLive**   Taipei, Taiwan
  Software Engineer   *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*