

# David Chien

chiendavid.com

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## PROFESSIONAL SUMMARY

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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

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### • Appier

*Software Engineer*

Taipei, Taiwan

*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 1 second
- **Build System Migration:** Spearheaded migration from Webpack to Rspack, achieving a 10x improvement in build times, resulting in significant improvement of product shipping pipeline
- **UI Library Upgrade:** Led major UI library 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, let users can analysis thier SQL performance in advanced.

### • 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 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

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- **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

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- **Languages:** Python, JavaScript, TypeScript
- **Technologies:** GCP, AWS, React.js, Next.js, CICD, FastAPI, GIT, Docker

## EDUCATION

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### • National Taipei University

*Bachelor of Science in Computer Science*

New Taipei, Taiwan

*2019 – 2024*