PAI LE-CHI

Github : **github.com/chi-white** | Email : **king0209king0209@gmail.com** | Phone : (+886)978-359-751

Work Experience

Jr. Backend Engineer, [Agtop](#), Taipei, Taiwan   Aug 2024 - Aug 2025

ARhero Backend Design (Mobile Game App)
NodeJS / SQL / React / AWS / Docker
- Independently developed multimedia API, database schema, business logic, and frontend admin interface.
- Leveraged Draw.io to map workflows, reducing meeting times and improving team efficiency by 50%.
- Reduced 99% of data delivery failures by redesigning the API with a two-phase transfer.
- Reduced 1hour data collection time per day by implementing GoAccess to monitor daily API call logs.

Dental Clinics services System (B2B Project)
NodeJS / SQL / React / Material UI / AWS / Docker / Line LIFF
- Reduced paper cost and 50% communication time for both the dental supply company and clinics.
- Simplified menu update steps for admin staff, reducing the process to just 2 steps without modifying the codebase.
- Sent automated maintenance notifications, reducing clinics' chance of missing service by 50%.
- Proposed database redesign to decouple clinics from users, reducing inconsistencies and improving system maintainability.

AI Tools Research
ElasticSearch / ChromaDB / LangChain / Multimedia Search
- Identified AI integration opportunities and built prototypes every three days for rapid iteration and testing.
- Identified a cost-effective open-source alternative for music generation, saving 20% cost of API expenses.
- Built a prototype local internal search system enabling cross-format searches (images and text as input/output), achieving 98% accuracy and reducing search time by 30%.

Side Projects

Chain-Split (Onchain Bill Split Project)   Ongoing
Rust / Solana / Javascript / Firebase / React Native / NoSQL / Claude code
- Used Claude code to assist coding, reducing development time by 70%, improving readability.
- Implemented Anchor smart contracts for cost sharing, proactively exploring new technologies.
- Demonstrated ability to make high-level architectural tradeoffs between on-chain and central centralized storage.

Medium Technical Blog ([medium.com/@king0209king0209](#))   Ongoing
Rust / Javascript / Algorithms
- Authored articles on JavaScript and Rust, explaining foundations through clear, example-driven writing.
- Passionate about sharing insights and validating my learning through writing.

WorksPicker   Dec 2023 - May 2024
Javascript / SQL / AWS / NginX / Docker / Bootstrap / Socket
- Developed a project focused on vocabulary learning to solve real-life challenges through practical applications.
- Used Socket.IO to create real-time two-player battles that make learning more engaging and enjoyable.

Education and Researches

[National Yang Ming Chiao Tung University](#)   Sep 2019-Sep 2023
BS, Information Management and Finance

- GPA : 3.9/4.3 , Academic Reward*1
- English : TOEFL 95 (R23, L25, S24, W23)
- RA (1year) - Python statistical analysis and experiments in explainable AI laboratory(doi:10.1016/j.irfa.2023.103005)
- Algorithm research (1year) - Multiarm Slot Machine, implementing multi-agent strategies (https://reurl.cc/YEb0RD)