PAI LE-CHI

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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 50% meeting times and improving team efficiency.
- Reduced 99% of data delivery failures by redesigning the API with a two-phase transfer.
- Reduced daily data collection time from 30 minutes to 5 minutes by implementing GoAccess to monitor 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) (https://github.com/lechipai0209/Chain-Split) — 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 with multi-signature functionality by leveraging the framework's features.
- 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, Rust and algorithms, explaining foundations through clear, example-driven writing.
- Passionate about sharing insights and validating my learning through writing.

WorksPicker (https://github.com/lechipai0209/WordsPicker) — 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)