

# TAI-WEI CHANG (張泰瑋)

Founder / Product-Oriented Full-Stack Engineer Japan · Remote

- LinkedIn: <https://tw.linkedin.com/in/chang-tai-wei-644925139>
- GitHub: <https://github.com/david30907d>
- Product: <https://www.zap-pilot.org/>

## Summary

Product-oriented full-stack engineer and founder with 8+ years of experience building 0→1 products and scalable backend systems. Strong background in Web3, data engineering, and cloud-native infrastructure. Proven ability to own architecture, execution, and cross-functional collaboration in startup environments.

## Core Skills

- **Web & Backend Development:** Python, TypeScript, Node.js, Go, FastAPI, Next.js, React
- **Blockchain Development:** Solidity, EVM, Web3.js/ethers.js, Smart Contract Security
- **Data Engineering & Analytics:** Airflow, BigQuery, PostgreSQL, Data Modeling, ETL/ELT
- **Cloud & DevOps:** GCP, AWS, Kubernetes, Terraform, Docker, CI/CD

## Experience

### Zap Pilot (All Weather Protocol) — Founder / Lead Engineer

Mar 2023 – Present

- Built a non-custodial, one-click DeFi portfolio autopilot from 0→1 using Account Abstraction (EIP-4337/7702).
- Owned end-to-end architecture, development, and production deployment.
- Led early community building and product validation.
- Achieved **25% APR** with **\$280K+ TVL**.

### NAOS Finance — Senior Backend Engineer

Sep 2022 – Nov 2023

- Refactored V1 backend into a microservice architecture using Helm and ethers.js.
- Enabled independent scaling of TVL, APR APIs, and NFT indexers.

### Tresl — Software Engineer

Oct 2020 – Dec 2021

- Solved severe performance bottlenecks caused by heavy runtime joins.
- Redesigned data models using denormalization.
- Achieved **10× query performance improvement** on datasets exceeding **120M rows**.

### Dcard — Junior Data Engineer

Jul 2018 – Mar 2020

- Designed a multi-layer recommendation system and feature store from scratch.
- Served personalized feeds to **1M+ users** via Kubernetes and GCP Pub/Sub.
- Increased total user engagement by **10%**.

## Leadership & Community

- **PyCon Taiwan (Data Team Lead):** Built and led a 7-member data team; introduced Metabase and monthly 1-on-1s, achieving ~50% volunteer retention.
- **Consensus DAO (Co-Founder):** Co-founded a Web3-native NGO and organized a decentralized tech conference.

## Education & Languages

- Bachelor's Degree (Related Field)
- Mandarin (Native) · English (TOEIC 845) · Japanese (JLPT N2)