

TAI-WEI CHANG (張泰瑋)

Founder / Product-Oriented Full-Stack Engineer

🌐 Tokyo, Japan · On-site or Remote (Open to either)

- **LinkedIn:** <https://tw.linkedin.com/in/chang-tai-wei-644925139>
 - **GitHub:** <https://github.com/david30907d>
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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
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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**.

Candy Shop — Senior Blockchain Engineer

Nov 2022 – Feb 2023

- Contributed to an NFT commerce platform positioned as the “Shopify for NFTs,” enabling one-click storefront launches.
 - Migrated an existing Solana-based NFT storefront architecture to the EVM ecosystem (Polygon).
 - Integrated OpenSea contracts and performed end-to-end testing across smart contracts, backend services, and user flows.
 - Delivered core functionality under rapid execution constraints before company wind-down.
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NAOS Finance — Senior Backend Engineer

Sep 2022 – Nov 2023

- Refactored a V1 backend system for a decentralized RWA lending protocol to improve maintainability and scalability.
 - Designed and implemented a microservice-based architecture using Helm and ethers.js.
 - Built and separated services for TVL metrics, APR calculation APIs, and NFT indexing.
 - Enabled independent scaling and deployment of core backend components.
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Consensus DAO — Co-Founder

Sep 2022 – Present

- Co-founded a Web3-native NGO inspired by COSCUP to promote blockchain adoption among general audiences.
 - Organized a decentralized technology conference and managed DAO operations.
 - Designed and maintained DAO multisig governance using Safe.
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Doorstead — Software Engineer

Dec 2021 – Jul 2022

- Supported internal tooling for a property management platform providing guaranteed rental income to landlords.

- Addressed code review and deployment limitations of an on-prem Retool setup.
 - Implemented infrastructure-as-code using Terraform to enable GitHub integration and reproducible deployments.
 - Improved infrastructure robustness, maintainability, and operational clarity.
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Tresl — Software Engineer

Oct 2020 – Dec 2021

- Improved performance of a data marketing platform ingesting large-scale Shopify datasets.
 - Identified severe latency caused by heavy runtime join queries across multiple product pages.
 - Redesigned data models using denormalization and a three-layer database architecture inspired by Alibaba practices.
 - Achieved **~10× query performance improvement** on datasets exceeding **120M rows**.
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PyCon Taiwan — Data Team Lead

Mar 2020 – Present

- Established the organization's first data team to drive data-informed decision-making.
 - Defined team vision, onboarded volunteers, and conducted regular 1-on-1 mentoring.
 - Deployed Metabase for organization-wide analytics access.
 - Achieved **~50% volunteer retention** and adoption across three internal teams.
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Atgenomix — Senior Data Engineer

Apr 2020 – Sep 2020

- Built parallel genome phasing and imputation pipelines using Apache Spark.
 - Improved CI/CD pipelines by **~3×** using GitHub Actions.
 - Reduced Docker image size by **~30%** through multi-stage build optimization.
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Dcard — Junior Data Engineer

Jul 2018 – Mar 2020

- Contributed to recommendation systems for one of Taiwan's largest social platforms.
 - Designed a multi-layer recommendation architecture and feature store from scratch.
 - Integrated multiple algorithms into a unified personalized feed system.
 - Served personalized content to **1M+ users** using Kubernetes and GCP Pub/Sub.
 - Increased overall user engagement by **~10%**.
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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.
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Education & Languages

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