

# David Chang (張逸)

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- Title: AI Team TechLead
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- Education: M.S. in Computer Science, National Chengchi University • B.S. in Computer Engineering, National Chiao Tung University

## Summary

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- Technical Leadership: **Technical architecture design and scheduling for 14 microservice projects, integrating LangChain Agent, RAG, and knowledge graph technologies** (GPT-4, Claude, LangChain, Neo4j)
- System Architecture: **Designed enterprise microservice architecture for AI conversation systems, recommendation engines, and document parsing** (FastAPI, Django, Next.js, AWS)
- Process Management: **Established Sprint Release workflows, multi-environment deployment, technical standards and documentation** (Terraform, ECS, Gitea Actions)

## Experience

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### Riversoft, AI Team TechLead

2024-04 ~ Present

- Technical Architecture: **Technical architecture design for 14 microservice projects covering AI conversation systems, knowledge graph engines, and document parsing** (FastAPI, Django, LangChain, Neo4j)
- AI Technology Integration: **Integrated LangChain Agent platform, RAG systems, GPT-4 document parsing, and knowledge graph recommendations**
- Project Scheduling: **Established Sprint Release workflows, coordinating 9 product projects and multi-environment CI/CD deployment** (AWS, Terraform, Gitea Actions)

### Koodata, Back-end Engineer

2021-07 ~ 2024-03

#### MVP Rapid Development (2023-11 ~ 2024-03)

- **Designed architecture for advertising products (Ad Bingo Card, multi-platform campaigns, approval systems) and established development workflows**

#### koo-social Advertising Data Reporting (2022-10 ~ 2023-11)

- **Built ad data crawlers, chart tools, and report systems; optimized data processing speed** (Cloud Run, Selenium, Looker Studio)

#### koolive Live Streaming (2021-07 ~ 2023-10)

- **Designed live streaming system with stress testing for high-concurrency (QPS 1000+), supported FoodPanda live events** (Django, Redis, GraphQL, K8S)
- **Fixed message loss/duplication, implemented payment and third-party integrations** (Celery, Thread, DB Transaction)

### Truelove, Back-end Engineer

2020-03 ~ 2020-09

- **Established unit testing environment, validated salary reports, optimized API reducing DB load by 50%** (Pytest, Docker, Pandas, Flask, Redis)

### Ovomedia, Software Engineer

2019-03 ~ 2020-03

- **Collaborated with NTUST AI Center on TV recommendation system, built data labeling website and engine** (Django, Keras, Pandas, MariaDB)
- **Integrated FarEasTone smart speaker control and updated membership center** (OAuth2, Docker, PHP Phalcon)

## Skills

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**Programming:** Python

**AI & ML:** LangChain/LangGraph, RAG Systems

**Backend:** FastAPI, Django, Flask

**Database:** MySQL & PostgreSQL, Neo4j, Elasticsearch, Redis