張逸 David

Python Web Back-end Engineer, Email: black.heptagram@gmail.com, Github: github.com/j129008

Education

- Master's in Computer Science, National Chengchi University   2015-09 ~ 2018-08
- Bachelor's in Computer Engineering, National Chiao Tung University   2009-09 ~ 2013-07

Summary

- Expertise in Minimum viable product (MVP) and internal tool development.
- Optimized Koolive live-streaming performance to handle FoodPanda's live giveaway events (QPS 1000+, MySQL, Django, Redis, GraphQL, K8S)
- Validated and corrected salary calculations for TrueLove (Pandas, MySql)
- Developed AI-based TV program recommendation system for OVO AI Box (Keras, Pandas, MariaDB)

Experience

Koodata, back-end engineer   2021-07 ~ now

Expertise in Minimum viable product (MVP) and internal tool development. (2023-11 ~ now)
- Developed features like Ad Bingo Card, Jira auto-charting, multi-platform ad campaigns, approval systems, Line Bot customer support, and ad monitoring tools

Lead Developer for Koo-Social Ad Reporting (2022-10 ~2023-11)
- Built advertising data platform crawlers, chart generation tools, report production systems, and development environments (Cloud Run/Selenium/Looker Studio)

Koolive Live-Streaming Optimization (2021-07 ~ 2023-10)
- Set up a live-streaming stress test environment and optimized performance (QPS 1000+, MySQL, Django, Redis, GraphQL, K8S)
- Fixed issues related to missing or duplicate live messages and implemented financial and third-party integrations (Celery, Thread, DB Transaction)

TrueLove, back-end engineer   2020-03 ~ 2020-09

Developed, tested, and optimized live-streaming features while validating data accuracy. (2020-03 ~ 2020-09)
- Built unit testing environments (Pytest, Docker, Travis)
- Validated and corrected salary reports for broadcaster working hours (Pandas, MySql)
- Optimized API performance to reduce DB load by 50% (Flask, Redis)

Ovomedia, software engineer   2019-03 ~ 2020-03

AI-based TV Recommendation System (2019-03 ~ 2019-06)
- Built a website to collect program label data for recommendation systems (Django, Bootstrap, jQuery)
- Collaborated with NTUST AI Center to develop the core recommendation engine (Keras, Pandas, MariaDB, Crontab)
- Integrated FarEasTone smart speaker for set-top box control (OAuth2, Docker, NodeJS)

ovotv.com Web Development (2019-06 ~ 2020-03)
- Collaborated with front-end engineers to update the membership center (PHP Phalcon, Memcache, Jenkins)

Skills

Programming

- Python

Web Back-end

- FastAPI
- Flask
- Django

Data Science

- Pandas
- Selenium
- MySQL & Postgre

DevOps

- K8S
- Cloud Run
- GCP