Yung-Hung Huang

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EXPERIENCE

System/DevOps Engineering   Nov. 2023 – Present
Mending Technology CO., LTD.

- Cloud Computing Operation: AWS
- Blockchain System Operation/Migration/Refactoring/Backup
- IAC with Pulumi
- Automation with Ansible
- Bash shell script

Site Reliability Engineering (SRE)/DevOps/Cloud engineering   Nov. 2021 – April. 2023
CloudRock Technology Co., Ltd

- Cloud Computing Operation: AWS, GCP, Aliyun, CloudFlare...etc
- System Operation/Migration/Refactoring/Backup
- Kubernetes Admin
- CI/CD pipelines based on GitLab
- Python Automation web scraping: **boce-crawler**
- **Dragon**: **streaming platform** based on **SRS project and Kubernetes**

PROJECTS

boce-crawler

- Because of the **data loss of our third-party monitoring API** when testing with My automation teammate's API wrapper, I need to develop a **crontab task** with **Python** under **Server-side** to extract data on the third-party network monitor dashboard, transform those data, load these data to our MariaDB Database as our grafana datasource.
- **Languages & Tools**: crontab, Python, concurrent.futures, Requests, Beautiful Soup, Selenium, undetected-chromedriver, pandas, SQLAlchemy, docker, MariaDB, Grafana

Dragon

- The main purpose is that "One live stream from clent But push multiple destinations from server-side"
- Building a system based on distributed model with multi k8s Clusters which provides **streaming services**
- Based on an open source project: **SRS(Simple Realtime Server),** we design backend-API with golang as Webhook to extend the SRS server features and frontend interface via React + Next.js.
- **Languages & Tools**: Kubernetes, k6, kubectl-graph, Tekton, C++, ffmpeg, Golang, go-callvis, go-swagger, Alibaba Cloud, GCP, CDN network, JavaScript, Node.js, Docker engine

EDUCATION

National Dong Hwa University   Sep. 2016 – Jan. 2019
Master of Science in Materials Science and Engineering   Shoufeng, Hualien

- **Thesis**: Ultrafast Pump-probe Transient Absorption Spectroscopy of Layer-controllable Molybdenum Disulfide Films
- **Research**: Semiconductor Materials

SKILLS

Languages : Mandarin (native), English (professional working proficiency)
Programming : Python(proficient), JavaScript/HTML/CSS(competence), SQL(competence)
Frameworks : Selenium, pandas, SQLAlchemy
Infra : Kubernetes, GitLab Runner, Ansible