

Yung-Hung Huang

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EXPERIENCE

System/DevOps Engineering

Nov. 2023 – Dec. 2024

Mending Technology CO., LTD.

- Cloud Computing Operation: AWS, CloudFlare
- Blockchain System Operation/Migration/Refactoring/Backup
- Infrastructure as Code with Pulumi
- Automation with Ansible
- Building Pipelines with Gitlab runners
- Python, 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

Building Pipelines with Gitlab runners

- Building a CI pipeline based on **gitlab runner** to make Java Developers working better with their codes.
- We have these stages: build code, scan code, build image, push image, deploy to k8s.
- **Languages & Tools:** Python, Bash, Yaml, JSON, Gitlab, Gitlab Runner, Maven, kubectl, Docker

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), Bash(competence), JavaScript/HTML/CSS(competence), SQL(competence)

Frameworks : Selenium, pandas, SQLAlchemy

Infra : AWS, Kubernetes, GitLab Runner, Pulumi, Ansible