

Joe (Yung-Hung) Huang

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EXPERIENCE

System / DevOps Engineer

Jun. 2025 – Present

Logic Solutions Inc.

- Working in **Linux** terminal environment.
- **AWS Infrastructure management** with **Terraform/Ansible**.
- Administration **CI/CD pipelines** with **jenkins/ArgoCD**.
- Administration **Bastion host** with **Consul/Assets/Golane stack**.
- Administration **Monitoring system** with **Prometheus, Grafana, Consul stack**.
- Building system on **AWS or on-premise environment**.
- Reviewed an existing **GitOps-based Kubernetes architecture** on **AWS EKS** and, based on **product scale, operational cost, and system maturity**, led the **decommissioning of EKS node groups** and the retirement of related subsystems (**Istio, Karpenter, Argo CD**, etc.) to reduce operational overhead and technical debt.

System/Site Reliability Engineering (SRE)/DevOps Engineering

Nov. 2023 – Dec. 2024

Mending Technology CO., LTD.

- Working in Linux terminal environment.
- Administration a cryptocurrency exchange platform on AWS and on-premise infrastructure.
- Administration kubernetes clusters on AWS or on-premise environment.
- AWS/Cloudflare Infrastructure management with Pulumi/Ansible.
- Administration CI/CD pipelines with Gitlab CI/jenkins.

Site Reliability Engineering (SRE)/DevOps/Cloud engineering

Nov. 2021 – April. 2023

CloudRock Technology Co., Ltd

- Working in Linux terminal environment.
- Development of Python automation project for web monitoring.
- Development of streaming platform project based on GCP(GKE)/Aliyun(ACK).
- Cloud(AWS/GCP/Aliyun/Cloudflare/...etc) Infrastructure management with JumpServer.
- Administration kubernetes clusters on AWS(EKS)/GCP(GKE)/Aliyun(ACK).
- Administration CI/CD pipelines with Gitlab CI/jenkins/Tekton.

IoT Bootcamp (Full-Stack & System Fundamentals Training)

Jan. 2021 – May. 2021

Industrial Technology Research Institute (ITRI)

- Completed an intensive hands-on training program covering **web development fundamentals, system programming, Linux environments, networking basics, and IoT system integration**.
 - * Building an **IoT monitoring system (IndoorAirBox)** using **Raspberry Pi and ESP8266**, focusing on temperature and humidity data collection with available course resources.

PROJECTS

homelab

Jun. 2023 – Present

- From **CNCF's Definition**, trying to build **lightweight Hybrid Cloud infrastructure** for **enhancement of personal tech stacks, building personal apps...etc**
- **Tech Stack**: Python, Bash, Golang, Rust, JavaScript/TypeScript, HTML5, CSS, Cloudflare, AWS, Linux, Proxmox Virtual Environment, Docker, k3s/k0s cluster(Lightweight Kubernetes), *-exporters, Prometheus, Grafana, ELK stack, Terrform, Ansible, Github Actions, Jenkins Container Registry, service mesh (linkerd), MongoDB, PostgreSQL, MySQL, InfluxDB, ... etc

resume

Mar. 2023 – Present

- Building a **online CV website** based on **LaTeX** to record my experience, projects, education, skills.
- Render a CV file via **single HTML-CSS-JavaScript transform from PDF Source with pdf2htmlEX** or access **PDF file directly via built-in PDF viewer of browsers(Google Chrome, Brave, Firefox, Safari...etc)**
- Learning concepts of **Serverless services via Cloudflare Workers and Pages**
- Development and Deployment CI/CD pipelines with **Bash, Docker, GitHub, Cloudflare Pages** to make **Proof of concept**.
- **Tech Stack:** LaTeX, pdf2htmlEX, Bash, JavaScript/TypeScript, node.js, React, Next.js, GNU Make, Github, Linux, Docker, Nginx, Cloudflare Workers and Pages

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

National Dong Hwa University

Sep. 2012 – Jun. 2016

Bachelor of Science in Materials Science and Engineering

Shoufeng, Hualien

- Program of Advanced Materials

SKILLS

Languages: Mandarin (native), English (professional working proficiency)

Programming Languages: Python(proficient), Bash(competence), SQL(competence), Rust(competence), Golang(beginner)

Version Control: git

Frameworks: Django, FastAPI, Selenium, pandas, SQLAlchemy

Operating system: Linux(proficient), macOS(competence), Windows(beginner)

Continuous Integration(CI) & Continuous Delivery(CD):GitLab Runner, Github Actions, Jenkins, Tekton Pipelines, Argo CD

Streaming & Messaging: Apache RocketMQ, RabbitMQ

Scheduling & Orchestration: Kubernetes(EKS, GKE, ACK, k0s, k3s...etc)

Subsystems & For Kubernetes: ingress-nginx, cert-manager, ECK(Elastic Cloud on Kubernetes) operator, KEDA, Istio...etc

Service Proxy: NGINX, HAProxy, MetalLB, Envoy

Coordination & Service Discovery: Apache Zookeeper, Nacos, Consul

Container Registry: Harbor

Automation & Configuration: Ansible, Atlantis, Terraform, Terragrunt, Pulumi, Ansible

Cloud Providers: AWS, Google Cloud, Alibaba Cloud, Cloudflare

Certification: AWS Certified Solutions Architect Associate, AWS Certified Cloud Practitioner