

Joe (Yung-Hung) Huang

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EXPERIENCE

System / DevOps Engineer

Jun. 2025 – Present

Logic Solutions Inc.

- Working in **Linux** terminal environment.
- Built and maintained a Rocky Linux–based Amazon Machine Image (AMI) for EC2 using Packer
- Maintained **AWS and on-premise infrastructure** primarily within the Taiwan engineering team, where **Git-based Infrastructure as Code workflows (Terraform / Terragrunt / Atlantis)**, **Ansible automation**, and **Jenkins CI/CD pipelines** are actively implemented.
- Operated and supported a **Git-driven infrastructure automation model** in TW region; other regional teams (US / Nanjing / Shanghai) maintain independent workflows due to product and business differences.
- Assisted in reviewing and validating existing technical documentation and infrastructure processes, identifying inconsistencies across regions.
- Maintained **system initialization automation via Ansible (Linux configuration, Java runtime, Nginx, RabbitMQ, NFS setup)**
- Built and maintained **Jenkins CI/CD pipelines** using Groovy scripts for TW engineering workflows.
- Managed **Bastion host and internal asset tracking stack (Consul + Golang-based services)**, integrating EC2 metadata into centralized access control.
- Analyzed **system resource utilization and performance metrics** through observability stack (Prometheus / Grafana) to identify **infrastructure bottlenecks and propose appropriate optimization solutions**.
- Maintained **observability stack (Prometheus, Grafana, Consul)** and supported system monitoring operations.

System/Site Reliability Engineering (SRE)/DevOps Engineering

Nov. 2023 – Dec. 2024

Mending Technology CO., LTD.

- Working in **Linux** terminal environment.
- Participated in on-call rotations(about 1 week a month), troubleshooting issues in Prod environment with teams members
- Supporting a cryptocurrency exchange platform on **AWS or on-premise infrastructure**.
- Administration **k8s(kubernetes) clusters on AWS or on-premise environment**.
- **AWS/Cloudflare Infrastructure management** with Pulumi/Ansible.
- Administration **CI/CD pipelines** with Gitlab CI or Jenkins.

Site Reliability Engineering (SRE)/DevOps/Cloud engineering

Nov. 2021 – April. 2023

CloudRock Technology Co., Ltd

- Working in **Linux terminal environment**.
- Participated in on-call rotations, troubleshooting issues with teams members
- 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 **k8s(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

- Building infrastructure with Proxmox VE to support many personal projects's Linux Lab environment.

resume

Mar. 2023 – Present

- Building a **online CV website** based on **LaTeX** to record my experience, projects, education, skills.

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