

# Joe (Yung-Hung) Huang

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## EXPERIENCE

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### 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)** are actively implemented.
- 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

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### 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

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### 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

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**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