

# 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.
- **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

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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, Nacosm 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