

Eric Huang

Site Reliability Engineer

Certified Kubernetes Administrator, dedicated software engineer, persistent learner, and enthusiastic open source contributor. Skilled in automation of system administration, operation, monitoring, and cloud-native solution such as Kubernetes and Containerization. Confident in self-learning, large-scale and multi-repo code tracing.

Work Experience

Site Reliability Engineer *Engineering Dept., LINE Taiwan Limited*

Dec. 2022 – Present

Taipei, Taiwan

- Co-developed, troubleshooted, and wrote acceptance tests for internal Terraform provider in **cross-country cooperation**.
- Pioneer of adopting Terraform in LINE Taiwan to deploy internal infra.
- Designed and implemented workflow automation to greatly improve present operational process.
- Documented comprehensive system architecture, network traffic tracing and application deployment process.

Senior Engineer

Intelligent Banking Division, E.SUN bank

May 2021 – Dec. 2022

Taipei, Taiwan

- Designed & built up a robust monitoring/alerting system that collect **15+** GB metrics per day across **100+** servers.
- Experienced in Kubernetes administration & cluster and service migration for **8** cluster (**60+** nodes) with **95%** & **99%** SLA.
- Adopted automation tool to construct **production-grade** and **GPU-accelerated** k8s cluster, and contributed to upstream Kubespray & backported to existing playbook.
- Developed tools for automating process of daily routine, config management, app deployment, system validation task, which lead to effectively reduce operational costs.
- Documented thorough k8s installation and operation guide that help pre-trained member leveraging automation tool and deploying a cluster within **1 day**.
- Assisted colleagues in resolving the issue in Ansible, Linux SysAdmin, and Kubernetes.

Engineer

Computer Integration Manufacturer, tsmc

Oct 2020 – Jan 2021

Hsinchu, Taiwan

- Developed the web crawler to download **hundreds** of candidate resumes and general resume parser which achieved up to **95%** extracted information accuracy.
- Wrote integration-test under possible scenarios and detailed documents including building procedure and class diagram for senior's project.
- Pioneer of Robotic Process Automation and efficient i18n support for reporting APP.

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Skills

Programing

Python • Golang • C • Rust • Typst

Technologies

Kubernetes • Docker • Nvidia Cloud-Native tech • Linux SysAdmin • TCP/IP • Wireshark • Prometheus • Loki

IaC, CI/CD

Ansible • Github Actions • Terraform

Language

Chinese • English

Education

MEng *Inst. of Data Science & Engineering, National Chiao Tung Univ.*

2018 – 2020

Hsinchu, Taiwan

BSc *Dept. of Computer Science & Engineering, Yuan Ze Univ.*

2014 – 2018

Taoyuan, Taiwan

Slides & Talks

- [The Journey to the Kubernetes Networking](#)
- [The Journey to the Kubernetes metrics](#)
- [Auto Differentiation](#)
- [Buddy System](#)

Contributions

Reduce redundant calculation

[pytorch](#), [jax](#), [autograd](#)

Support kubeadm patch

[kubespray](#)

Bug reporting

[vscode-python](#)

Awards

- [Certified Kubernetes Administrator](#)
- [Arctic Code Vault Contributor](#)