

# LI CHUNG YENG

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## PROFESSIONAL SUMMARY

Site Reliability Engineer with ~4 years architecting AWS and GCP infrastructure. Proficient in IaC and automation tools, Kubernetes orchestration, and CI/CD implementation. Experienced in cost optimization, performance tuning, and adopting security best practices. Strong cross-functional collaboration with Engineering, Sales and Customer Success teams.

## CORE TECHNICAL EXPERTISE

**Cloud:** Multi-region, multi-cloud (AWS/GCP/Azure/Linode) production deployments, services include Compute, Containers, Networking and CDN, DevOps, Database, Storage, Monitoring and Alerting, GenAI.

**IaC/Automation:** Terraform, CloudFormation, CI/CD YAML, Ansible

**Coding/Scripting:** Python, Bash

**Kubernetes:** Production cluster management (on-prem, EKS, GKE): Docker, Helm, migration

**O11y:** Grafana, Prometheus, Loki

**Database:** MySQL, PostgreSQL, MongoDB, Redis

**Networking & Security:** VPC architecture design, VPC peering, Site-to-Site VPN configuration, routing tables, firewall rules (Security Groups, Cloud Firewall, WAF), IAM identity management (least-privilege policies, cross-account roles), PCI-DSS/ISO-27001 compliance

## EXPERIENCE

### COMMEET

Site Reliability Engineer

Taipei, Taiwan

Aug. 2023 ~ Now

#### *Multi-Cloud Infrastructure & Architecture*

- Architected, manage production infrastructure across AWS/GCP/Azure/Linode serving 6k req/d with 99.99% uptime for expense management platform (COMMEET) and travel agency platform (TripSaas) used by ~150 companies.
- Architected cross-cloud complex networking topology with VPC peering, Cloud Firewalls & WAF, IAM between AWS/GCP, optimizing latency and costs following security best practices for PCI-DSS and ISO-27001 compliance.
- Extensive cowork with Sales and Customer Success teams to design flexible deployment models (SaaS, on-prem, private cloud) supporting diverse enterprise requirements

#### *Infrastructure Modernization & Kubernetes*

- Leading VM-to-Kubernetes migration initiative: established 3 on-prem K8s clusters, developing migration patterns for production rollout with zero-downtime strategy.
- Transformed infrastructure from ClickOps to 98% Terraform-managed IaC: 250+ resources across 15+ modules, reducing provisioning time from 4hrs to 15min (93%).
- Implemented GitOps workflow with automated validation, achieving zero configuration drift and full disaster recovery capability.

#### *CI/CD & Automation*

- Architected and implemented complete CI/CD infrastructure from ground-up, establishing automated deployment pipeline across all environments (dev/test/staging/prod)
- Led strategic CI/CD migration, designing automated workflows that integrate testing, security vulnerability scanning (Trivy), reducing deployment time up to 50% while improving deployment success rate from 95% to 99%.

#### *Observability & Database Management*

- Designed and implemented Grafana stack (Prometheus+Loki) with 20 custom dashboards, unifying o11y with alerting and incident response, reducing MTTR from 30min to under 5min.
- Manage all environment databases (PostgreSQL/MySQL): optimized queries reducing P95 latency and achieved 99.9%+ database uptime

#### *Product Development & Cross-Functional Collaboration*

- Contributed to Python-based OCR product feature development, PIC of python packaging and deployment (SaaS/on-prem/private cloud)

### Amazon Web Services, Inc.

Technical Support (Team Member/ Team Lead/ Mentor), Cloud Ambassador

Taipei, Taiwan

Feb. 2023 ~ Aug. 2025

- Proposed and implemented cloud AI workshop: architected full-stack AWS solution (App Runner, Lambda, DynamoDB, EventBridge) demonstrating serverless best practices and translating complex AI/ML concepts into accessible, practical demonstrations.
- Designed and delivered 6 major hands-on AWS workshops to 1,000+ learners (covering S3, EC2, Lambda, CloudFormation, Athena, QuickSight, and SageMaker) for audiences ranging from beginners to experienced developers through hands-on labs and real-world use case scenarios (CSAT 96%).
- Led a team of 6 on workshop delivery and AWS technical troubleshooting, elevating team-teaching capabilities and ensuring consistent quality across all training sessions.

## Google Developer Student Clubs

Lead

New Taipei, Taiwan

Sep. 2022 ~ Jul. 2023

- Led Taiwan's largest university tech community, organizing 160+ technical events for 3,200+ attendees (93% satisfaction), partnering with Google and AWS to deliver workshops on Cloud, ML, Cybersecurity, Career Development and more.
- Lead of 2 cross-functional projects with teams of 15 students and 7 different professors, created Taiwan's first AI-powered course selection website.
- Instructor of Red Hat Certified System Administrator (RHCSA) training course with extensive knowledge of Linux and real-world IT experience.
- Served as bridge between corporate partners (Google, AWS, etc.) and student community, translating business objectives into educational programs and leading technical discussions across diverse audiences.

## Systex Corp.

Taipei, Taiwan

Sep. 2021 ~ Jun. 2022

AI & Cloud Engineer Intern (Researcher Role)

- Conducted comprehensive research on disaster recovery strategies for production K8s/OpenShift environments, evaluating 10+ existing solutions and proposing novel approach combining IaC automation and shell scripts with comprehensive failure scenario testing.
- Designed experimental framework to systematically test K8s failure modes, identifying 15+ critical scenarios (etcd corruption, quorum loss, network partitioning, and storage failures, etc.), establishing testing methodology published as internal research documentation, adopted by Systex's production teams as standard DR validation process.

## NOTIBLE PROJECTS

### Generative AI on AWS

May 2023

Full stack AI article generator:

App Runner Lambda S3 DynamoDB EventBridge Polly SNS API Gateway Bedrock

May 2022

TKUAIC Lab - a private cloud from ground-up

Designed and built complete private cloud infrastructure from hardware to software

HCI SDN SDS VMware/Proxmox Datacenter Design

Gitter - contributed to global, open-source project

Contributed to global open-source chat platform (1.7M+ users), gaining hands-on experience with enterprise CI/CD workflows and multicultural team collaboration.

Feb. 2020

Vue.js Express GitLab CI

## EDUCATION

### Tamkang University

Sep. 2021 ~ Jul. 2023

M.E. Electrical and Computer Engineering

## CERTIFICATIONS

AWS Solutions Architect Associate, AWS Certified Cloud Practitioner, Red Hat RHCSA and 10+ others from Microsoft, and Google. (AWS Certified SysOps Administrator Associate is on the way)