

# 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

New Taipei, Taiwan

Lead

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

AI & Cloud Engineer Intern (Researcher Role)

Sep. 2021 ~ Jun. 2022

- 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

TKUAIIC Lab - a private cloud from ground-up

May 2022

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)