# Kaung Htet San

Cloud Engineer | Kubernetes | AWS | Terraform | Devops
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in LinkedIn | ○ GitHub | ◉ Portfolio | ◉ Blog

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## Career Profile

Highly experienced IT professional with 7+ years in infrastructure, telecom, and SI environments, specializing in system administration, high availability, and automation. Proficient in AWS, Kubernetes, Terraform, Linux and OpenStack with a proven track record of optimizing system performance, ensuring 24/7 reliability, and delivering scalable, secure infrastructure solutions. Adept at leveraging cloud technologies and automation to drive operational excellence and solve complex challenges. Committed to professional growth and delivering exceptional results in fast-paced environments.

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### Technical Skills

- Cloud Technologies: AWS (EC2, S3, RDS, VPC, IAM, EKS, ECS, Lambda), OpenStack
- Infrastructure as Code (IaC) & Automation: Terraform, CloudFormation, Jenkins, Git, Gitlab, CI/CD
- Container & Orchestration: Kubernetes, Docker, Helm
- System Administration: Linux (RHEL, CentOS), Windows Server, VMware (ESXi, vCenter)
- Monitoring & Security: Prometheus, Grafana, Zabbix, CloudWatch, Rsyslog, Vault
- Networking: DNS, AD, DHCP, TCP/IP, OSI Layers, Palo Alto Firewall, NGINX

### Certifications

- AWS Certified Solutions Architect - Associate (2024)
- Certified Kubernetes Administrator (CKA) (2024)
- Red Hat Certified System Administrator (RHCSA) (2023)
- VMware Certified Professional - Network Virtualization & Data Center Virtualization (2018)
- Microsoft Azure Administrator (2019) | Palo Alto Accredited Configuration Engineer (2019)
- Cisco Certified Network Associate (CCNA) (2018)

### PROFESSIONAL EXPERIENCE

**Cloud Core Team Lead**
**SunIVY Solutions Myanmar Co., Ltd**                    **May 2023 - Jul 2025**
**Project : ATOM Myanmar Project Nokia CBIS 18 and CBIS 20**

**Responsibilities**

- Led operations for telecom cloud infrastructure (Red Hat/OpenStack) ensuring 24/7 availability.
- Managed VM provisioning, patching, maintenance windows, and Ceph storage clusters.
- Integrated security hardening for cloud workloads and deployed rsyslog server for production zone.
- Built internal test environments using AWS (EC2, S3, IAM, VPC) for HA and DR scenarios.
- Applied Terraform and bash/shell scripting to automate provisioning and test IaC adoption.
- Enhanced system reliability by automating patching schedules and monitoring with rsyslog.

**Achievements**

- Led dual-zone VM failure recovery minimizing SLA breach.
- Cut troubleshooting time by 30% with proactive monitoring.
- Created SOPs and docs to support ops, improve incident response, and mentor juniors for better system stability.

**SunIVY Solutions Myanmar Co., Ltd**
**L2/L3 Cloud Operation Engineer** **December 2019 - May 2023**
**Project : Telenor Myanmar Project Contracted by Nokia - Nokia CBIS 17.5 and CBIS 18**

**Responsibilities**
- Managed OpenStack-based telecom infrastructure (CBIS), ensuring 24/7 uptime with proactive patching and VM lifecycle ops across prod/staging.
- Applied system patching and security hardening for cloud servers and optimized backup and restore procedures.
- Introduced Terraform in internal test environments to prototype Infrastructure as Code adoption.
- Used Docker and Linux shell scripting to prepare portable deployment environments to containerize and test apps in isolated environments before rollout.

**Achievements**
- Maintained 99.9% uptime for core telecom workloads, meeting strict SLAs.
- Improved deployment turnaround by 40% by automating patching and provisioning steps.
- Implemented Zabbix-based alerts to improve SLA response.
- Provisioned and managed AWS EC2, S3, and IAM for live environments and internal deployments.

**SunIVY Solutions Myanmar Co., Ltd**
**System Engineer** **October 2018 - December 2019**
**SunIVY Solutions Myanmar**

- Migrated DNS and AD (LDAP/RBAC) services during data center upgrades.
- Configured Palo Alto firewalls for hybrid secure connectivity.
- Managed Windows and VMware infrastructure during a major migration project.

**ICT STAR GROUP MYANMAR Company Limited (ISGM)**
**Junior System/Network Engineer** **January 2018 - October 2018**

- Managed Windows systems, deployed VMware servers, and configured networks (LAN, WAN, WiFi, Access Points).
- Provided technical support and troubleshooting.

## Cloud & DevOps Project Highlights
- **Cloud Resume Portfolio – CI/CD & Monitoring Enabled – Serverless**
  - Hosted static resume website on AWS (S3, CloudFront, Route 53) with CI/CD via GitHub Actions.
  - Managed infrastructure using Terraform; integrated custom metrics and alerting using CloudWatch and use Lambda with Python. (https://github.com/KHS-cpu/portfolio)
- **EKS 2048 Game Deployment**
  - Containerized and deployed the 2048 web game on EKS using a LoadBalancer service.
  - Managed infrastructure using Terraform; Automated deployment using Helm and use EKS Fargate for serverless architecture. (https://github.com/KHS-cpu/eks-2048)
- **BookInfo Microservices with ECS + Harbor + TLS**
  - Deployed the Istio-based BookInfo microservices application in a hybrid environment, utilizing private container images from Harbor for secure image management and leveraging both VM-based and Amazon ECS deployments for architectural flexibility.
  - Configured namespace separation, RBAC, and integrated with Kubernetes. (https://github.com/KHS-cpu/bookinfo)

## Educational Background

**B.E (Mechanical Precision & Automation)**

University of Technology Yatanarpon Cyber City (UT-YCC)        **Dec 2010 - Oct 2016**

**Executive Diploma in Network and Server Infrastructure**

 Lincoln University        **2019**

## Languages & Soft Skills

- Languages: English (Fluent), Burmese (Native), Mandarin (Basic)
- Soft Skills: Problem Solving, Team Collaboration, Incident Handling, Knowledge Sharing, Mentoring

## ADDITIONAL DETAILS

- Currently based in Bangkok, Thailand
- References: Available upon request.