Kaung Htet San

Cloud Engineer | Kubernetes | AWS | Terraform | Devops
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 LinkedIn | GitHub | Portfolio | Blog

Career Profile

Experienced Cloud & Infrastructure Engineer with 7+ years delivering scalable, secure, and highly available systems across cloud-native and hybrid environments. Skilled in AWS, Kubernetes, Terraform, Linux, and OpenStack, with a strong focus on automation, infrastructure as code, and operational excellence. Proven ability to design and manage resilient cloud infrastructure and streamline deployment pipelines to ensure 24/7 service reliability. Passionate about leveraging modern cloud technologies to solve complex problems and drive continuous improvement in fast-paced, agile teams.

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.
- Deployed Prometheus & Grafana stack to monitor Docker and VM workloads, with custom metrics, alert rules, and performance dashboards.

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 (Classroom Sturdy)
- Soft Skills: Problem Solving, Team Collaboration, Incident Handling, Knowledge Sharing, Mentoring

ADDITIONAL DETAILS

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