

AUNG HTET LWIN

DEVOPS / CLOUD ENGINEER

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PROFILE

DevOps and Cloud Engineer with hands-on experience in AWS, Kubernetes, Terraform, Docker, GitLab CI/CD, GitHub Actions, Linux, and cloud-native infrastructure projects. Skilled in infrastructure automation, containerized deployments, CI/CD workflows, observability, and secure cloud operations using CloudWatch, Grafana, HashiCorp Vault, AWS KMS, and Kubernetes RBAC. **CNCF Kubestronaut** with AWS, Terraform, and Kubernetes certifications, currently pursuing a Master of Computer Science at AIT and seeking opportunities in DevOps, Cloud, or Infrastructure Engineering.

EMPLOYMENT HISTORY

DevOps & Cloud Engineer Trainee, HelloCloud.io

Dec 2024 to Present

Singapore

- Designed and provisioned AWS infrastructure using Terraform, including VPC, subnets, IAM, EC2, load balancers, CloudWatch, SSM, and S3 to support repeatable cloud environments.
- Built and managed Amazon EKS environments for containerized microservices using Kubernetes Deployments, Services, Helm, and HPA.
- Implemented Infrastructure as Code using Terraform modules, workspaces, and remote state management to improve consistency and automation of infrastructure provisioning.
- Deployed containerized services on AWS ECS and supported service-to-service communication using Service Discovery, Service Connect, and VPC Lattice.
- Built CI/CD workflows using GitLab CI/CD and GitHub Actions to automate build and deployment processes and improve release consistency.
- Improved observability using CloudWatch and Grafana to support monitoring and troubleshooting of cloud-native environments.
- Supported secure cloud operations through HashiCorp Vault, IAM policies, AWS KMS, Kubernetes RBAC, and Istio service mesh with sidecar proxies for traffic management and service observability.
- Automated Linux administration and operational tasks using Bash and Python, including bastion host setup and secure networking support.
- Designed and evaluated centralized and distributed API gateway patterns on Kubernetes across three business domains and multiple microservices using Consul API Gateway and Kong Gateway, comparing trade-offs in routing, isolation, scalability, and operational overhead.

Cloud Support Engineer, KBTC Group of Companies

Feb 2022 to Nov 2022

Yangon

- Provisioned and configured Microsoft Azure cloud accounts, including user setup, access management, and permission configuration.
- Administered Azure Active Directory (Azure AD) to manage identity and access control across organizational resources.
- Supported Microsoft SharePoint administration and configuration while resolving user issues.
- Delivered Azure cloud fundamentals training and created technical documentation to support knowledge transfer and AZ-900 preparation.

Software Developer, GIC Myanmar

Jan 2021 to Feb 2022

Yangon

- Contributed to software development projects as a junior developer, applying SDLC practices to improve code quality and maintainability.
- Developed backend components using Java and PostgreSQL in collaborative environments with version control and code reviews.
- Troubleshot technical issues with cross-functional team members and documented solutions for knowledge sharing.
- Gained exposure to Ruby on Rails and Angular through internal training and project work.

KEY PROJECTS

HCP Packer AMI Distribution & Cross-Account S3 Logging

- Automated multi-region AMI build and distribution using HCP Packer and HCP Packer Registry for production and staging image channels across Tokyo and Seoul.
- Designed a hub-and-spoke AWS architecture with HCP HVN, VPC peering, S3, KMS, CloudWatch, and SSM to support secure cross-account logging and image consumption.

Multi-Domain API Gateway Architecture on Kubernetes

- Designed centralized and distributed API gateway patterns using Consul API Gateway and Kong Gateway across three business domains, comparing trade-offs in routing, isolation, scalability, and operational overhead.
- Implemented multi-service traffic flow and domain-based gateway routing on Kubernetes to evaluate platform design choices for cloud-native environments.

EKS Cluster with Bookinfo Microservice Deployment

- Built an AWS EKS environment with Terraform, including VPC networking, managed node groups, IAM roles, security groups, and kubeconfig automation.
- Implemented Kubernetes RBAC and deployed the Bookinfo microservices application with external LoadBalancer access and namespace-scoped permissions.

CORE COMPETENCIES

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|-----------|-------------------|----------------------|-------------------|
| • AWS | • Kubernetes | • Amazon EKS | • Terraform |
| • Docker | • GitLab CI/CD | • GitHub Actions | • Linux |
| • Python | • CloudWatch | • Grafana | • HashiCorp Vault |
| • AWS KMS | • Kubernetes RBAC | • AWS CloudFormation | • Azure |

EDUCATION

- | | |
|---|----------------------|
| Asian Institute of Technology (AIT), Thailand
Master of Computer Science | Jan 2025 to Present |
| University of Information Technology (UIT), Yangon
B.C.Sc (High Performance Computing) | Dec 2016 to Feb 2021 |

CERTIFICATIONS

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|---|-----------|
| CNCF Kubestronaut, Linux Foundation | Feb 2025 |
| Certified Kubernetes Administrator (CKA) | Sept 2025 |
| Certified Kubernetes Application Developer (CKAD) | Feb 2025 |
| Certified Kubernetes and Cloud Native Associate (KCNA) | Feb 2025 |
| Certified Kubernetes Security Specialist (CKS) | Jan 2026 |
| Certified Kubernetes Security Associate (KCSA) | Jan 2026 |
| AWS Certified Solutions Architect – Associate (SAA-C03) | Dec 2024 |
| HashiCorp Certified: Terraform Associate | Dec 2025 |
| Microsoft Azure Fundamentals (AZ-900) | Apr 2022 |
| Japanese Language Proficiency Test (JLPT-N3) | Jan 2022 |
| IT Passport (IP) Exam — ITPEC, Japan | Jan 2019 |
| Fundamental Engineering (FE) Exam — ITPEC, Japan | Jan 2019 |

LANGUAGES

English, Japanese (JLPT N3)