

Wai Yan Soe

Cloud Engineer



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LANGUAGES

Burmese ● ● ● ● ● ● ● ● ● ●

English ● ● ● ● ● ● ● ● ● ●

EDUCATION

Bachelor of Arts, Hinthada University

Dec 2018 | Hinthada, Myanmar

Postponed since covid-19

CERTIFICATIONS AND BADGES

- AWS Knowledge: Amazon EKS ☑
- AWS Learning: Architecting - AWS Skill Builder ☑
- AWS Cloud Quest: Cloud Practitioner - AWS Skill Builder ☑
- Linux Foundation Certified System Administrator (LFCS) - KodeKloud ☑
- LFS169: Introduction to GitOps - The Linux Foundation ☑
- Prometheus Certified Associate (PCA) - KodeKloud ☑
- Amazon Elastic Container Service (AWS ECS)- KodeKloud ☑
- Ansible Advanced Course - KodeKloud ☑

WORKING EXPERIENCE

DevOps Engineer, HQS Co.,Ltd | QSlogic ☑

Nov 2023 – present | Yangon

- Collaborating with software developers to ensure that development follows established processes and works as planned.
- Containerizing applications (React, Nginx, Spring Boot, Django, Nodejs) and hosting them on cloud (AWS) and on-premises servers.
- Implementing Jenkins pipelines for continuous integration and deployment.
- Configuring and maintaining databases (PostgreSQL, MongoDB).
- Setting up PostgreSQL for High Availability with Patroni, etcd, and HAProxy.
- Creating Cron jobs and Bash scripts for automatic backup files and databases.
- Monitoring, logging, and alerting using the Elastic Stack.
- Drawing diagrams for system design and infrastructure for the application systems.

Support Engineer, ATG Systems Co., Ltd ☑

Oct 2022 – Oct 2023 | Yangon, Myanmar

- On-site customer support to ensure smooth operation and optimal performance of infrastructure network and system components.
- Monitored and maintained on-premise infrastructure (Routers and Switches, Servers, Storage and Backup systems, Virtualization, and more).
- Collaborated with engineers and technical teams to promptly identify and report issues for timely resolution.
- Assisted in testing and executing infrastructure changes, including hardware and operating system upgrades, configuration changes, and operational improvements.

SKILLS

- Infrastructure as Code (Terraform)
- Containerization and Orchestration (Docker and Kubernetes)
- CI/CD (Jenkins, GitHub Action, GitLab CI, AWS Code Pipeline)
- Cloud Computing (Amazon Web Services)
- Programming Knowledge (Python, Bash Shell scripting)
- Database Knowledge (PostgreSQL, MySQL, MongoDB)
- Virtualization (VMware ESXi, Proxmox)

PERSONAL SKILLS




- Good Communication Skill and can work with team
- Can learn easily and good concentration
- Good problem solving and patient
- Can withstand the stress of work
- Always eager to learn new technology

OTHER HANDS-ON LABS

Currently Engaged in Learning and Expanding General Knowledge:

Terraform

Developed custom Terraform modules:

- <https://github.com/wwwaiyan/terraform-aws-eks> 
- <https://github.com/wwwaiyan/terraform-aws-vpc> 
- <https://github.com/wwwaiyan/terraform-aws-instance> 

Jenkins

- Developed and implemented Jenkins Pipeline for deploying web applications, ensuring streamlined and automated deployment processes.
- Integrated GitHub and Bitbucket webhooks to enable continuous deployment, enhancing efficiency and reducing manual intervention.
- Configured Jenkins Pipeline with Role-based Authorization Strategy, ensuring secure access control and compliance with organizational policies.
- Implemented Jenkins jobs for automated testing, including unit tests, integration tests, and end-to-end tests, ensuring code quality and reliability.
- Implemented Jenkins job notifications and alerts to notify stakeholders of build status, test results, and other critical events, ensuring timely response to issues and maintaining high availability of services.

Terraform IaC Pipeline Configuration in Jenkins

- Led the configuration of Terraform Infrastructure as Code (IaC) pipelines within Jenkins.
- Implemented automation processes to streamline infrastructure deployment, enhancing efficiency and reliability.

Deployment of Prometheus and Grafana Dashboard on AWS EKS Cluster

- Orchestrated the deployment of Prometheus for monitoring and Grafana for visualization on Amazon Elastic Kubernetes Service (EKS) clusters.
- Configured custom dashboards in Grafana to provide real-time insights into system performance and resource utilization.

Kubernetes Challenges - KodeKloud

Terraform Challenges - KodeKloud

Continuous Learning Agenda:

- Infrastructure as Code (Terraform and Cloud Formation)
- Ansible
- ArgoCD
- Service Mesh (istio and AWS App Mesh)
- In addition to these hands-on experiences, I actively contribute to the DevOps and Cloud community through technical writing on Medium. You can explore my articles on DevOps and Cloud related topics here  (<https://medium.com/@wwwaiyan> ) , where I share insights and best practices garnered from my practical experiences and ongoing learning.