Thaw Thu Han

System Engineer (Cloud & DevOps)

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Summary

I'm System Engineer but I have learned and experienced in Cloud and DevOps fields. I have been working in system engineering field for over 5 year. I can design, deploy, and manage diverse infrastructure, including on-premises, cloud-based, and virtualized environments. Strong scripting skills and experience with CI/CD pipelines for efficient software delivery. Passionate about collaboration and driving operational excellence.

Technical Proficiencies

System Engineer

- DNS, SSL, Load Balancing, Reverse Proxy
- Active Directory and Domain Service
- Advance in Linux and Windows Server
- Web Server (Apache & Nginx)
- Virtualization (VMware and Proxmox)
- Monitoring (Zabbix and Prometheus)
- Network (TCP/IP, VPN, Router, Switch & Software/Hardware Firewall)
- High Availability (DR Strategies)

Cloud & DevOps

- Version Control System (Git)
- Source Code Management (GitHub, GitLab)
- Containerization and Orchestration (Docker, Docker Compose and ECS)
- AWS Cloud Infrastructure and Computing
- CI/CD Pipeline (Jenkins)
- Infrastructure As Code (Terraform)

Education

Degree

Bachelor of Art Myanmar (2016) at Yangon University of Distance Education

Bachelor of Science in Information Technology (Still attending) at European International University Paris

Diploma

Executive Diploma in Network and Server Infrastructure (Dec 2018 – Jul 2019)

Executive Diploma in Cyber Security (Jul 2023 – Dec 2023)

At Lincoln University Collage - Malaysia

Certifications

Certified Information Technology Professional at ITPEC (Oct 2022)

Hashicorp Terraform Associate (Oct 2023)

AWS Certified Solutions Architect – Associate (Mar 2023 – Mar 2026)

Oracle Cloud Infrastructure 2023 Certified Architect Associate (Sep 2023)

Cisco Certified Network Associate Routing and Switching (May 2018 – Nov 2021)

Spoken Languages

Myanmar   -   Native

English   -   Intermediate

Working Experiences

Network and System Engineer – 06/2017 to 05/2021

Myanmar Oriental Bank (Head Office)

- Assisting with the installation and support for network, software and hardware
- Setting up of up user-accounts, permissions and passwords for network equipment.
- Monitoring network usage and alerting management to capacity issues.
- Troubleshooting of Network problem and setup point to point VPN (if need).
- Handling Cisco Network devices.
- Configuration wireless network for client & Configuration PEP-VPN Branch to HO.
- Maintenance Mail Server, File Server and Monitoring Server.
- Analysis Network Traffic and Management Network Port on Palo Alto Firewall & Fortigate firewall.

Senior System Engineer – 06/2022 to 07/2023

RITZ Cyber Intelligence Service Company

- Proxmox Virtual Environment Server Maintenance and Monitoring.
- Backup and High Availability Status Daily Check.
- Check Web Servers Resource Usages and Traffic.
- Designing and Planning System Infrastructure for Customer Site.
- Performs ongoing performance tuning, hardware upgrades, and resource optimization as required.
- Administration and Configuration of the Proxmox VE Server, Web Server, Storage Server (NAS/SAN), Active Directory Server, Univention Corporate Server (LDAP), Database Server, PFsense Firewall, HAProxy and Radius Server.
- Operate as a System Engineer for small and large, simple and complex projects.
- Guide and mentor other members of the System team as part of project or feature teams.
- Trouble shoot all VMs and Server.
- Load balancing and Failover for Web Server.

Cloud & System Engineer – 07/2023 to Present

KBZMS General Insurance Company

- Optimize system performance and resource utilization to ensure cost efficiency and responsiveness.
- Design, deploy, and maintain on-premises and cloud-based infrastructure, including servers, storage, and networking components.
- Develop and maintain automation scripts and tools to streamline deployment, scaling, and management of systems and applications.
- Implement Infrastructure as Code (IaC) principles using tools (Terraform).
- Plan and execute backup and disaster recovery strategies to ensure data integrity and business continuity.
- Write scripts and code as needed for system automation, monitoring, and troubleshooting.

Successful Completed freelance/Company Projects

Chemist Warehouse Company Limited

- Configure and Setup HPE Server
- Install Proxmox Virtual Environment Server on HPE
- Deploy Active Directory Domain Service, File Server and Pfsense on Proxmox

MSIS Software House Company

- Install VMware ESXi for virtualization
- Deploy Zabbix Server for monitor network infrastructure and Server.
- Deploy Self-hosted Gitlab Server
- Configure and Setup Jenkins CI/CD Pipe for faster software delivery

Signature