

Mr. Thaw Thu Han

System / Cloud Engineer

thawthuhan9@gmail.com

[WhatsApp](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Dubai, United Arab Emirates, +971506539491



Professional Summary

Results-driven System Engineer with over 5 years of experience in designing, deploying, and managing diverse infrastructure, including on-premises, cloud-based, and virtualized environments. Expertise in Containerization, Virtualization, Web Servers (Apache, Nginx), Network, Firewall and both Linux and Windows Server administration. Proven track record in Cloud and DevOps, showcasing proficiency in AWS, Docker, Jenkins, and Terraform. Committed to operational excellence, collaboration, and continuous improvement.

Experience

Cloud & System Engineer

KBZMS General Insurance Company, Yangon, Myanmar

Jul 2023 – Feb 2024

- Spearheaded optimization initiatives, enhancing system performance and resource utilization, resulting in a 20% increase in cost efficiency and overall responsiveness.
- Led the design, deployment, and maintenance of a robust on-premises and cloud-based infrastructure, overseeing servers, storage, and networking components, and achieving 99.9% uptime.
- Pioneered the development and maintenance of automation scripts and tools, streamlining deployment, scaling, and management processes, resulting in a 30% reduction in manual workload.
- Implemented cutting-edge Infrastructure as Code (IaC) principles using Terraform, resulting in a 25% improvement in system scalability and agility.
- Orchestrated comprehensive backup and disaster recovery strategies, ensuring 100% data integrity and business continuity during critical scenarios.
- Authored scripts and code for system automation, monitoring, and troubleshooting, contributing to a 15% reduction in system downtime and increased overall system stability.
- Pioneered the development and implementation of Bash shell scripts for automated database backups, ensuring data security and facilitating efficient recovery during outages.

Senior System Engineer

RITZ Cyber Intelligence Service Company, Yangon, Myanmar

Jun 2022 – Jul 2023

- Optimized Proxmox Virtual Environment server performance by implementing advanced maintenance procedures and continuous monitoring, resulting in a 40% reduction in downtime and ensuring seamless operations.
- Analyzed web servers' resource usage and traffic patterns, implementing optimizations for enhanced efficiency.
- Designed and planned system infrastructure for customer sites, aligning solutions with specific business requirements.
- Executed ongoing performance tuning, hardware upgrades, and resource optimization, resulting in heightened system capabilities.

- Administered and configured a diverse set of servers, including Proxmox VE, web servers, storage servers, Active Directory, Univention Corporate Server, databases, firewalls, HAProxy, and Radius Server.
- Led and operated as a System Engineer for projects of varying complexity, providing guidance and mentorship to team members, and successfully troubleshooting VMs and servers.
- Implemented load balancing and failover strategies for web servers, ensuring optimal performance and high availability.
- Automated database backups using Bash scripts with cron, ensuring data integrity and facilitating rapid recovery during outages.

Network and System Engineer

Myanmar Oriental Bank, Yangon, Myanmar

Jun 2017 – May 2021

-
- Streamlined installation and support processes for network, software, and hardware infrastructure, significantly enhancing system efficiency.
 - Enhanced network security and compliance through thorough network traffic analysis and managing network ports on Palo Alto and Fortigate firewalls.
 - Minimized network downtime through proactive network usage monitoring and prompt resolution of capacity issues.
 - Expanded network accessibility by engineering wireless network configurations and establishing PEP-VPN connections between branch offices and headquarters.
 - Ensured seamless communication and rapid response to network issues by managing Cisco network devices.
 - Strengthened network reliability by effectively troubleshooting network problems and establishing point-to-point VPN connections.
 - Implemented user account setups, permissions, and secure password configurations for network equipment, ensuring access control.
 - Implemented user account setups, permissions, and secure password configurations for network equipment, ensuring access control.

Education

Bachelor of Science in IT - European International University Paris (On going)

Executive Diploma in Network and Server Infrastructure - Lincoln University Collage

Dec 2018 – Jul 2019

Executive Diploma in Cyber Security - Lincoln University Collage

Jul 2023 – Dec 2023

Certifications

Certified Information Technology Professional – 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

Technical Proficiencies – System Engineering

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

Technical Proficiencies – DevOps & Cloud

- 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)

Language

English (Professional)

Burmese (Native)

Successfully 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.