



Aung Kyaw Myint

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SUMMARY

A highly motivated and results-driven Cloud System Engineer with over 8 years of experience in the IT industry. Proven expertise in designing, implementing, and optimizing scalable cloud infrastructure on AWS and Azure, along with strong knowledge of on-premise virtualization technologies. Skilled in system automation, configuration management (Ansible, Terraform), CI/CD pipelines, and cloud security best practices. Experienced in monitoring, maintaining, and troubleshooting complex systems to ensure high availability and performance. Adept at collaborating with cross-functional teams to deliver reliable and efficient cloud solutions that align with business goals. Passionate about continuous learning and driving operational excellence through DevOps principles.

WORK HISTORY

Cloud System Engineer (Freelance Remote)

QNT Software Center,

 July /2016 – Present

- Developed and implemented system and network infrastructure strategies to align with business needs, enhancing operational efficiency and scalability.
- Designed and deployed secure cloud and virtualization architectures, integrating public and private cloud solutions to optimize performance and reliability.
- Conducted IT security awareness training and provided instruction on ERP software workflow architecture, improving system utilization and cybersecurity practices.
- Automated cloud operations using Python, Bash, and PowerShell, developing scripts for automatic database backups and system requirement management.
- Analyzed and optimized cloud expenditures, implementing cost-saving strategies and utilizing monitoring tools to control and reduce resource usage.
- Led the implementation of system and network designs, ensuring thorough documentation and adherence to best practices for cloud security, compliance, and infrastructure management.

Big Data System Engineer

ZTE Corporation (Ooredoo Myanmar project)

 January /2024 – Mar/2025

- Managed and optimized Linux-based open-source environments to support big data infrastructure across private and public cloud platforms, ensuring stable and efficient data processing and storage.
- Diagnosed and resolved complex technical challenges related to big data platforms minimizing downtime and enhancing system reliability.
- Designed, implemented, and maintained scalable big data architectures, ensuring high availability, security, and optimal performance for enterprise applications.
- Monitored and fine-tuned system performance, proactively identifying and addressing bottlenecks to enhance big data processing efficiency.
- Worked with big data technologies including Hadoop, Spark, Project Jupyter (Python Automation), and MySQL, integrating cloud-based solutions for data analytics, processing, and mobile applications.

- Managed and maintained big data platforms across multi-cloud environments (private & public), ensuring secure and reliable infrastructure for AI-driven projects.
- Implemented cloud automation and cost-optimization strategies, leveraging public cloud services and on-premise virtualization to streamline operations, enhance scalability, and reduce costs.
- Managed and maintained physical hardware infrastructure, including server deployment, storage systems, and networking equipment, ensuring optimal performance and reliability for big data processing across private and public cloud environments.

Cloud System Engineer

Global Technology Company,

 Jun /2020 – Dec/2023

- Implemented and documented configurations for servers, switches, routers, and firewalls, and managed infrastructure across public cloud, private cloud (VCDA), and virtualization environments, while configuring and optimizing network components to support high-speed, secure data transmission across ISP infrastructure.
- Developed plans and designs for robust and scalable infrastructure, ensuring alignment with business needs and technical requirements.
- Maintained detailed documentation of infrastructure changes and updates, ensuring accurate records and smooth transitions.
- Addressed and resolved issues related to public-facing services, including security protection from Layer 2 to Layer 7, and managed application services migration to public cloud platforms.
- Monitored server and network performance, conducted regular health checks, and implemented tuning adjustments to enhance system efficiency and minimize downtime.
- Oversaw VMware infrastructure both public and private cloud, server management, and administration of both Linux and Microsoft servers to ensure optimal performance and reliability.
- Handled physical hardware deployment and maintenance in data center environments, including rack and stack operations, cabling, power management, and hardware troubleshooting to ensure continuous availability and reliability.

System Network Engineer

View Max Myanmar Technology,

 May /2017 – Jun /2020

- Designed, deployed, and optimized network infrastructure, including routers, switches, firewalls, and load balancers, ensuring seamless integration across both Windows and Linux operating systems environments.
- Managed and maintained critical IT infrastructure, supporting high availability, security, and scalability across network devices and virtualized environments.
- Configured and deployed network devices to ensure robust network connectivity, optimized traffic flow, and redundancy across multiple systems and locations.
- Led the configuration and management of network systems, ensuring alignment with best practices for performance, security protocols, and data protection.
- Collaborated with cross-functional teams to design and implement custom network solutions using multiple devices to meet business requirements, addressing challenges related to bandwidth, latency, and traffic management.
- Monitored system performance of network devices and operating systems (both Windows and Linux), proactively identifying bottlenecks and applying performance tuning techniques to enhance overall efficiency.
- Implemented automation and security measures, including backup configurations and firewall management, to protect infrastructure from unauthorized access and external threats.
- Led troubleshooting efforts, diagnosing and resolving complex technical issues related to network devices, Linux/Windows systems environments, reducing downtime and increasing system reliability.



JOB-RELATED SKILLS

- 8+ years of experience designing and implementing scalable, repeatable, and reliable cloud and system architectures for mid-sized organizations, ISPs, and enterprise environments.
- Expertise in AWS cloud services, including infrastructure setup, configuration, upgrades, and application architecture modeling.
- Proficient in VMware private cloud solutions, system design, and high-performance architecture.
- Strong background in network design, implementation, and security across multi-vendor environments.
- Extensive experience managing routers, switches, and firewalls, with in-depth knowledge of TCP/IP, packet-level traffic analysis, and security best practices.
- Hands-on experience with network protocols and services, including DNS, FTP, DHCP, Web Services, and Active Directory.
- Skilled in managing server infrastructure across Linux, Windows, and VMware environments, optimizing performance and ensuring high availability. Experience in fault-tolerant system design, performance tuning, and implementing monitoring solutions to maintain system efficiency.
- Expertise in data center operations, including hardware deployment, maintenance, and troubleshooting.
- Strong knowledge of business requirement architecture and system implementation design for high-performance applications.
- Experience designing and managing microservices architectures for scalability and efficiency.
- Proficient in managing open-source mail and file services, including file sharing, permission management, and overall infrastructure administration.
- Skilled in cloud automation and cost optimization strategies, leveraging tools to improve efficiency and reduce expenses.
- Proficient in scripting and automation for infrastructure management and system administration.



EDUCATION

- Professional Diploma in Network Engineering, SQA (UK)
- Final Years B.A. in Geography, University of Hinthada



QUALIFICATION

- AWS Certified Solutions Architect, Associate
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Aviatrix Certified Engineer - Multi-Cloud Network Associate
- ICSI | CNSS Certified Network Security Specialist (International Cyber Security Institute (ICSI))
- ICSI | Cyber Security Essentials (International Cyber Security Institute (ICSI))
- CCNP Enterprise Core ENCOR 350-401(Lab certificate)
- Network Engineer (Loop Avoidance Training Center) (Lab certificate)
- Microsoft Window Server 2012 R2 Course (MCPA Training)
- CMS Management Website (MCPA Training)
- Practical SQL Account Software Training Course (Myanmar Tech Institute)



SKILLS

- Proficient in Amazon Web Services (AWS): EC2, VPC, ELB, S3, ECS, EKS, RDS, and CloudFormation.
- Experienced in AWS security best practices, performance monitoring, and alerting.
- Hands-on cybersecurity experience, including completion of the Advent of Cyber 3 challenge (TryHackMe).
- Strong experience in Linux and Windows server administration, including installation, configuration, and troubleshooting.
- Skilled in VMware technologies (vSphere, ESXi, vCenter) for virtualization management, performance optimization, and cloud integration.
- Expertise in Active Directory for user authentication, policy enforcement, and system security.
- Proficient in Bash scripting, Ansible, Terraform, and CI/CD tools (Jenkins) for infrastructure automation and deployment.
- Hands-on experience in managing microservices using Docker and Kubernetes.
- Knowledgeable in PHP, Python, HTML, CSS, and Content Management Systems (CMS) for web development and management.
- Experience in server environments, managing agent gateways, load balancers, and optimizing application performance.
- Skilled in software deployment, ensuring smooth rollouts and minimal downtime.
- Experience in application performance monitoring, scalability, and security optimization.



ONLINE COURSES

- UBUNTU Linux Server Administration
- Certificate-of-completion-for-git-and-GitHub-essentials
- Advent of Cyber 2021
- Jenkins: Jobs, Pipelines, CI/CD and DevOps for Beginners
- AWS Certified DevOps Engineer Professional 2025 - DP-C02
- Ultimate AWS Certified SysOps Administrator Associate 2025