



Win Yan Naing Htut

CLOUD NETWORK ENGINEER

Profile

Cloud Network Engineer with expertise in AWS infrastructure and enterprise security solutions. Skilled in designing cloud-native architectures, implementing network automation, and optimizing multi-cloud environments.

Passionate about advancing infrastructure technologies including Kubernetes orchestration, Infrastructure as Code (IaC), and security solutions like HashiCorp Vault.

Combines strong technical capabilities with proven leadership experience and cross-team collaboration skills to deliver resilient network solutions that drive business objectives.

Contact

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 <https://portfolio.winyan.dev>

Personal Info

Age	26
Nationality	Myanmar
Marital Status	Single

Academic

University of Distance Education

(Bachelor of Art in English, Distance Education) (2015 – 2019)

Language

- English
- Burmese

Professional Experience

Cloud Network Engineer

Avensys Consulting PTE for NCS PTE Ltd.

Jan/2024 - Present

Singapore

Responsibilities,

- Architect and manage cloud-native firewall infrastructure using Fortigate, FortiAnalyzer, and FortiManager appliances deployed in AWS
- Experienced in GCC and GCC+ cloud environment.
- Implement Infrastructure as Code (IaC) using Terraform and GitLab CI/CD pipelines to automate deployment and configuration of AWS network resources
- Design and maintain AWS network components including NACLs, Security Groups, WAF, Load Balancers, and Route Tables to ensure secure connectivity
- Administer AWS IAM policies and roles following least privilege principles to enhance cloud security posture
- Analyze and troubleshoot network flows by examining AWS flow logs and tracing traffic paths across complex cloud environments
- Lead migration projects for Red Hat servers supporting critical proxy services (Squid forward proxy and Nginx reverse proxy)
- Collaborate with application teams to diagnose and resolve connectivity issues within AWS environments
- Ensure compliance with security standards through regular audits and implementation of security best practices

Certificates

HashiCorp Certified:
Terraform Associate (003)

Certified Kubernetes
Application Developer (CKAD)

Certified Kubernetes
Administrator (CKA)

AWS Certified Solutions
Architect Associate (SAA-03)

Cisco Certified Network
Professional Enterprise (CCNP)

Cisco Certified Specialist –
Enterprise Advanced
Infrastructure Implementation
(ENARSI)

Cisco Certified Specialist –
Enterprise Core (ENCOR)

Cisco Certified Network
Associate (CCNA)

Mikrotik Network Associate
(MTCNA)

Professional Experience

Infra Engineer
Gain City Electronic PTE.

Feb/2023 – Dec/2023
Singapore

Responsibilities,

- Managed and secured enterprise network infrastructure including L2-L3 switches, routers, firewalls, CCTVs, and IP/digital phone systems
- Implemented and administered security solutions including Fortinet firewalls (100F, 300D, 400F), VPN, Active Directory, and Darktrace NDR
- Architected and maintained AWS networking services including VPC, Direct Connect, Elastic Load Balancing, and Auto Scaling
- Deployed SD-WAN solution using Fortinet Secure SD-WAN to optimize WAN connectivity and application performance
- Developed and implemented network asset management and monitoring systems including Netbox IPAM/DCIM, Cacti, and Zabbix
- Resolved complex WAN/LAN/WiFi network issues while providing technical support for critical business applications
- Managed IT assets and maintained comprehensive technical documentation to ensure operational efficiency

Network Engineer
Frontiir Co., Ltd.

April/2021 – Jan/2023
Yangon, Myanmar

Responsibilities,

- Designed and implemented IP addressing schemes and configured advanced routing protocols (OSPF, ISIS, MPLS, BGP) across multiple platforms (Cisco, Juniper, Extreme)
- Enhanced network security by implementing TACACS+ and AAA authentication systems for network devices
- Deployed and maintained enterprise network solutions and managed carrier-grade NAT infrastructure (A10 TH7440-11)
- Created and maintained technical documentation including MOPs, SOPs, HLD, and LLD for all network projects
- Monitored and optimized network performance using Nagios, Cacti, and Smoke-Ping to address bandwidth utilization issues
- Led migration projects for control networks in regional townships, consistently meeting project timelines
- Collaborated with cross-functional teams to implement network improvements and resolve complex access network issues

Professional Experience

Internet Core Engineer
Mytel Myanmar

July/2020 – Feb/2021
Yangon, Myanmar

Responsibilities,

- Resolved complex issues in fixed broadband networks to ensure optimal performance and minimize downtime
- Administered and configured enterprise-level network equipment including Juniper MX960, Huawei SRT, ZTE OLT C320/C610, and Huawei OLT MA5680T
- Initiated and managed service requests and work orders for new network node deployments including BRAS and OLT systems
- Developed and maintained comprehensive technical documentation including methods of procedure (MOPs), standard operating procedures (SOPs), and network diagrams
- Monitored and maintained network devices using U2000 and Net Numen tools to proactively identify and promptly resolve potential issues
- Collaborated with field maintenance engineers to support OLT integration, hardware replacements, and customer issue resolution

Associate Network Engineer
Frontiir Co., Ltd.

May/2018 – June/2020
Yangon, Myanmar

Responsibilities,

- Designed and implemented IP addressing schemes for distribution and access layer networks
- Configured and optimized routing protocols (OSPF, ISIS) on Linux-based routing devices
- Performed end-to-end troubleshooting of network issues to minimize downtime
- Analyzed network traffic to identify and resolve congestion points and performance bottlenecks
- Developed and maintained technical documentation including network diagrams and IP allocation lists
- Designed and tested network infrastructure for new township deployments
- Created and submitted detailed quotations and bills of materials (BOMs) based on implementation requirements
- Collaborated with cross-functional teams (NOC, LAN-ops, Implementation, Customer Service) to coordinate network activities and upgrades

Professional Experience

Assistant Network Engineer
Frontiir Co., Ltd.

April/2017 –May/2018
Yangon, Myanmar

Responsibilities,

- Configured and installed network hardware including switches, routers, and wireless devices (Ubiquiti, Ruckus, and Cambium)
- Implemented and maintained Point-to-Point wireless network installations
- Collaborated with implementation teams to provision required devices and meet project deadlines
- Deployed and managed public Wi-Fi solutions for commercial environments
- Coordinated with inventory teams to streamline device provisioning processes
- Created and maintained comprehensive documentation including network diagrams and device inventories