Thet Pying Soe

Senior Cloud & Network Engineer | AWS | Kubernetes | Terraform | Cisco CCIE

Singapore | Open to relocate to New Zealand | +65 86205028 | mgthetpinesoe@gmail.com

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Portfolio: https://thetpyingsoe.com/
Work rights: Open work visa holder - eligible to work for any employer in New Zealand until April 2029

PROFESSIONAL SUMMARY

Certified Senior Cloud and Network Engineer with 17+ years of IT infrastructure experience across enterprise networking, AWS cloud, hybrid connectivity, security, and operations. Hands-on experience in Kubernetes/EKS, Terraform, GitLab CI/CD, Transit Gateway, VPN, monitoring, backup, and compliance remediation, with recent work supporting secure government cloud migration across UAT and production environments.

WORK HISTORY

NCS Pte Ltd
Singapore
May 2022 - Present

Senior Infrastructure Engineer (Network & Cloud)

Design, implement and support secure AWS cloud, Kubernetes, network, monitoring and compliance solutions for government cloud migration and operations across UAT and production environments.

Key responsibilities

- Design, deploy, and maintain secure AWS cloud infrastructure across UAT and production environments using VPC, EC2, S3, IAM, CloudWatch, Route 53, CloudFront, API Gateway, and load balancing services.
- Build and maintain Infrastructure as Code using Terraform, including reusable modules for VPC, subnets, route tables, security groups, NACLs, EC2, EKS, ECS, ALB/NLB, RDS, and S3.
- Implement GitLab CI/CD pipelines to automate infrastructure provisioning and application deployment, improving deployment consistency and reducing manual effort.
- Configure hybrid connectivity and cloud networking using Site-to-Site VPN, AWS Transit Gateway, subnets, NAT Gateways, routing, and firewall policies.
- Support cloud security, monitoring, disaster recovery, patching, documentation, and operational troubleshooting across UAT and production environments.

Achievements

- Delivered secure government cloud migration solutions across SIT, UAT, and production environments, supporting AWS infrastructure, Kubernetes/EKS workloads, hybrid networking, monitoring, and compliance requirements.

- Designed and implemented private AWS EKS clusters using Fargate, with Helm-based add-ons including AWS Load Balancer Controller, External Secrets Operator, Cert-Manager, ADOT, and Fluent Bit.
- Built Terraform modules and GitLab CI/CD pipelines to automate AWS infrastructure and application deployments, improving deployment consistency and reducing manual configuration effort.
- Improved cloud security, availability, and resilience by remediating Security Hub, VAPT, and Cloudscape findings, supporting ASG health checks, EC2 patching, AMI creation, S3 replication, backup validation, and restoration drills.
- Recognized with NCS Hero Awards 2024 Gold Best Quality Award and Infra Excellence Award for eCustoms GCC migration and infrastructure deliver.

KDDI Myanmar Co., Ltd
Myanmar
Jan 2015 – Mar 2022

Assistant Manager / System Engineer

Progressed from System Engineer to Assistant Manager, leading technical teams and delivering enterprise network, data centre, security and customer infrastructure projects across multi-vendor environments.

Key responsibilities

- Led engineers responsible for enterprise network implementation, technical support, project delivery, and service operations.
- Designed and implemented enterprise network, data centre, routing, LAN, firewall, wireless, server, storage, and structured cabling solutions.
- Prepared BOMs, proposals, WBS, HLD/LLD, topology diagrams, project documentation, and managed customer/vendor escalations.

Achievements

- Led enterprise network and IT infrastructure delivery for customers across banking, telecom, manufacturing, construction, and SMB sectors, including Toyota Myanmar, MBL, KB Bank Microfinance, and Shwe Taung Development.
- Delivered data centre, disaster recovery, IPVPN, SD-WAN, MPLS backbone, ISP/IXP migration, LAN/WAN, wireless, firewall, routing, switching, and structured cabling solutions.
- Recognized with the **KDDI Myanmar Most Valuable Professional Award** for strong technical delivery, leadership, and consistent service contribution.

ILBC
Myanmar
Sep 2009- Dec 2014

Network Administrator

- Administered network, server, desktop, Active Directory, user support and infrastructure operations across school/business IT environments.

Computer Technical Team (Trading) Co., Ltd
Myanmar
Dec 2006- Aug 2009

System and Network Engineer

- Implemented network, server, Active Directory, mail, DNS, DHCP, VPN, wireless and structured cable solutions for customer projects.

EDUCATION

Bachelor of Computer Science (B.C. Sc) — University of Computer Studies, Yangon, Myanmar | 2006

CERTIFICATIONS

CCIE #58570 | AWS Certified Solutions Architect | AWS Certified CloudOps Engineer | AWS Certified Cloud Practitioner | Certified Kubernetes Administrator | HashiCorp Terraform Associate | ITIL 4 Foundation | Cisco SD-WAN Specialist

TECHNICAL SKILLS

- **Cloud & AWS**: VPC, EC2, EKS, ECS, Fargate, ELB/ALB/NLB, S3, IAM, RDS, Route 53, CloudFront, API Gateway, AWS Backup, Security Hub, Secrets Manager, CloudWatch.
- **Infrastructure as Code & DevOps**: Terraform, Terraform Modules, GitLab CI/CD, Helm, Kubernetes Manifests, IRSA, External Secrets Operator, Cert-Manager
- **Networking**: Cisco IOS/IOS-XE/IOS-XR, Cisco Nexus, Cisco SD-WAN/Viptela, BGP, OSPF, EIGRP, MPLS, VLAN, TCP/IP, VPN, Transit Gateway, NAT Gateway, Route Tables
- **Security & Compliance**: Security Groups, NACLs, IPSec VPN, SSL VPN, Palo Alto, FortiGate, Check Point, CIS AWS Benchmark, VAPT Support, Cloudscape Remediation
- **Monitoring & Operations**: CloudWatch, Lambda, EventBridge, SNS, ADOT, Fluent Bit, SolarWinds, PRTG, Zabbix, Wireshark, EC2 Patching, AMI Management, ASG Recovery, Active Directory, DNS, DHCP

REFEREES

- Available upon request.