

HTOO AUNG WIN

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PROFESSIONAL SUMMARY

Cloud and DevOps-focused infrastructure engineer with hands-on experience in AWS, Linux, networking, and operations. Experienced in provisioning multi-account cloud environments with Terraform and GitLab CI/CD, troubleshooting client infrastructure, and supporting secure hybrid connectivity.

TECHNICAL SKILLS

Cloud & Systems: AWS (EC2, VPC, IAM, Lambda, API Gateway, DynamoDB, RDS, CloudFront, Route 53, CloudWatch, SNS, SSM), DigitalOcean, Elastic Cloud, MongoDB, Linux, Windows Server, Active Directory

IaC & Delivery: Terraform, HCP Terraform, AWS Organizations, org-formation, GitLab CI/CD, OIDC, Git, pytest, moto, Playwright

Security & Monitoring: Wazuh SIEM, CloudWatch, log analysis, alert triage, vulnerability assessment, access control, network segmentation

Networking: Layer 2/3 switching and routing, VLANs, TCP/IP, DNS, DHCP, OpenVPN, IPsec/SSL VPNs, NAT, port forwarding, firewall policies

EXPERIENCE

System and Network Engineer Intern

Sep 2025 – Feb 2026

Zectech Pte Ltd

Singapore

- Troubleshoot infrastructure, network connectivity, endpoint, and performance issues across 20–30 client environments using Linux command-line tools and log analysis.
- Deployed and configured Layer 2/3 switches, wireless access points, endpoints, and AWS and DigitalOcean workloads.
- Configured OpenVPN, firewall policies, NAT, and port forwarding for secure remote and site-to-site access, including hybrid AWS-to-on-premises connectivity.
- Maintained network diagrams, backups, asset records, and incident documentation; coordinated issue resolution with clients and engineers.

Security System Engineer (Part-time)

Sep 2025 – Feb 2026

AGB Communication Co., Ltd.

Remote

- Conducted infrastructure security assessments, identifying multiple low- and medium-severity vulnerabilities across client environments.
- Investigated logs and anomalies in Wazuh SIEM to support incident detection, triage, and response.
- Reviewed segmentation, firewall policies, and access controls; worked with engineers to remediate findings without service disruption.
- Produced technical reports with risk analysis, supporting evidence, and prioritized remediation recommendations.

PROJECTS

Serverless Multi-Environment Cloud Portfolio

2026

Personal project | htooaungwin.com

- Architected a full-stack serverless application across two AWS accounts, using Terraform to provision approximately 40 resources per environment with isolated development and production stacks.
- Automated deployments through GitLab CI/CD using OIDC and short-lived AWS credentials; added unit and browser tests with pytest, moto, and Playwright.
- Implemented CloudWatch alarms for Lambda and API Gateway, routed alerts through SNS and Lambda to Slack, and secured secrets in SSM Parameter Store.
- Deployed Next.js and Python services with Lambda, API Gateway, DynamoDB, CloudFront, Route 53, IAM, and AWS Organizations.

Highly Available AWS Web Infrastructure

2024

Singapore Polytechnic coursework project

- Designed a multi-AZ VPC with public and private subnets, security groups, an Application Load Balancer, Auto Scaling, EC2, and RDS.
- Automated EC2 provisioning with user data and monitored infrastructure health and performance with CloudWatch.

EDUCATION

Singapore Polytechnic

2023 – 2026

Diploma in Computer Engineering | GPA: 3.87/4.00

Singapore

Coursework: Cloud Foundations, Network & Firewall Technologies, Enterprise Networking, Cybersecurity Operations, Network Forensics & Analysis

CERTIFICATIONS & ACHIEVEMENTS

Certifications: AWS Certified Solutions Architect – Associate (SAA-C03) | HashiCorp Certified: Terraform Associate | Cisco CCNA | CEH | eCPPT | TryHackMe Security Analyst Level 1

Achievements: Lenovo Responsible Disclosure Hall of Fame (2024) | Cisco Security Hall of Fame (2024) | Cisco NetAcad Riders Silver Award (2025)