

Ent Hmue Maung

Email: enthmuemaung@gmail.com | **Phone:** +959688220563 | **Location:** Yangon, Myanmar

PROFESSIONAL SUMMARY

Network Operation Center (NOC) Engineer with one year of experience in Tier 3 ISP infrastructure. Specialized in troubleshooting **5G incompatibility** with mobile devices because of **(802.11 a/b/g/n/ac/ax)** technologies and their compatibility with **UNII channels**. Proven track record in managing Linux-based Virtual Dedicated Servers (VDS), SSL/TLS lifecycle management, and DNS orchestration for e-commerce platforms.

TECHNICAL SKILLS

- **Networking:** BGP, OSPF, IP Transit, DIA, WLAN Troubleshooting (RSSI/Channel Overlap).
- **Security & Infrastructure:** SSL/TLS Certificate Deployment, PKI, Port Binding, Online UPS/Power Integrity.
- **Systems Administration:** Linux (Ubuntu, Debian), Nginx, VDS/VPS Management, Docker.
- **Web Operations:** DNS Record Management (A, CNAME, MX), Port Forwarding, Reverse Proxying.
- **Languages:** Python, HTML/CSS.

PROFESSIONAL EXPERIENCE

NOC Engineer | [Hepta Alliance Technology Group/ Tier 3 ISP] | [March 2024- April 2025]

- **Upstream & Peering:** Monitored real-time status of **DIA** and **IP Transit** routes to ensure backbone stability for enterprise clients.
- **Wireless Optimization:** Diagnosed and resolved 5G channel overlaps and RSSI degradation issues for large-scale WLAN deployments.

- **Infrastructure Integrity:** Conducted physical server room audits, including **Online UPS battery-chain verification** and thermal load balancing.
- **Incident Response:** Managed critical network handovers and troubleshooting during high-latency events in infrastructure-constrained environments.

Infrastructure Lead (Freelance) | [Self-Employed] | [January 2025 – 2026]

- **VDS Management:** Engineered and maintained Linux-based virtual environments for e-commerce platforms including *bananagameshop.com* and *atomgameshop.com*.
- **Security Deployment:** Implemented **SSL/TLS encryption** across client domains to ensure secure transaction environments.
- **System Architecture:** Orchestrated domain-to-server binding via DNS management and specialized port configurations with Nginx for admin panel security.
- **Linux Hardening:** Performed regular server-side updates, firewall configuration, and port-binding audits to protect hosting assets.

EDUCATION

Intermediate English | British Council Myanmar

HND in Network Engineering | *Pearson education*

BSc (Hons) in Computing | *Edinburgh Napier University (UK)*

Research Projects

BSc (Hons) Dissertation Project Title: *Predictive Autoscaling for Efficient Cloud Resource Management using LSTM and ARIMA* [October 2024 – March 2025]

- Developed a predictive forecasting model using LSTM and ARIMA, trained on Google Cloud datasets, to automate server hardware resource scaling.
- Maximized hardware efficiency and minimized infrastructure costs by dynamically provisioning server resources based on predicted load patterns.
- **Tech Stack:** Python, TensorFlow, Keras.

Computing Research Project: *Improvement of video conferencing platforms during Covid – 19 Pandemics and user experiences with them* (April 2022 – September 2022)

- **Investigated** the scalability and UX performance of enterprise video conferencing platforms utilized to sustain global operations during the COVID-19 pandemic.
- **Conducted** comprehensive literature reviews analyzing platform capabilities, user accessibility, and performance reliability under sudden global strain.
- **Designed and deployed** quantitative survey methodologies to capture real-world user experience (UI/UX) metrics and system bottlenecks.
- **Synthesized** customer feedback data to identify critical design flaws and propose actionable improvements for high-load remote work environments.

IOT Circuit Breaker [October 2020 – December 2020]

Conducted a study on the influence of IoT devices on daily human life and designed the IoT project "Internet Circuit Breaker," allowing users to control home electronic systems remotely.

- Built an IoT home automation platform allowing for the remote control and management of household electronic systems.
- Directed user-acceptance testing (UAT) by gathering and analyzing qualitative feedback from academic peers to improve system architecture and reliability.

GitHub: <https://github.com/Evan200291>

Language Proficiency

English: Professional Working Proficiency (BSc Medium of Instruction: 100% English)

Burmese: Native