Ngo Tan Phuoc

Network Engineer Intern

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Summary

Cybersecurity student with a solid foundation in network infrastructure, system monitoring, and application security. Hands-on experience in centralizing system logs using ELK Stack, deploying ModSecurity WAF, and building infrastructure monitoring solutions. Seeking a SOC Intern position to contribute technical skills in event triage and log analysis while rapidly developing practical incident monitoring capabilities in an enterprise environment.

Education

Final-year, Da Nang, Sep 2022 — Feb 2027

Vietnam–Korea University of Information and Communication Technology (VKU)

GPA: 3.44/4

Skills

- **Security & SIEM Monitoring: ELK Stack (Elasticsearch, Logstash, Kibana), ModSecurity WAF, Nagios Core, Icinga 2**
- **Networking & Architecture: VLANs, Inter-VLAN Routing, Access Control Lists (ACLs), Routing & Switching Protocols.**
- **Cloud: AWS(EC2, ALB, WAF, VPC, RDS)**
- **Programming & Databases: Python, Java, Bash Scripting, MySQL/MariaDB.**
- **English (Technical reading proficiency).**

Languages

- **English**

Certifications and Licenses

English (IELTS 5.5 - Good at reading documentation).
(Planned) AWS Certified Cloud Practitioner
(Planned) Cisco Certified Network Associate (CCNA)

PERSONAL PROJECT

Hierarchical Enterprise Network Topology & Routing Design | *2024*

- Designed and simulated a scalable 3-tier hierarchical enterprise network infrastructure utilizing Cisco Packet Tracer.
- Configured core switching and routing layers leveraging Inter-VLAN routing, Access Control Lists (ACLs) for strict network segmentation, and high-availability protocols.
- Implemented dynamic routing protocols and structured IP addressing to guarantee minimal convergence time and optimized path selection across simulated branch offices.

Centralized Enterprise Network Monitoring Infrastructure | *2025*

- Implemented centralized network monitoring solutions using Nagios Core and Icinga 2 within distributed Linux server environments.
- Leveraged a relational database (MySQL/MariaDB) back-end for structured, long-term monitoring data retention and performance trend forecasting.
- Integrated Grafana with monitoring data sources to build dynamic, real-time visualization dashboards covering host availability, network interface throughput, and systemic metrics.
- Configured automated threshold alerting mechanics via webhook pipelines to reduce Mean Time to Detect (MTTD) infrastructure anomalies.

Secure Web Application Deployment & SIEM Integration using Docker | *2026*

- Architected and deployed a secure, containerized multi-tier web application architecture utilizing **Docker** and Docker Compose.
- Integrated an Elastic Stack (**ELK**: Logstash, Elasticsearch, Kibana) pipeline to centrally ingest, parse, and analyze system logs, application logs, and security events.
- Configured **ModSecurity** Web Application Firewall (WAF) on the reverse proxy layer to inspect HTTP traffic, actively detecting and mitigating OWASP Top 10 vulnerabilities.
- Created comprehensive **Kibana SIEM dashboards** for real-time security telemetry, visualizing malicious web request payloads and triggers from WAF rulesets.