

Zola Huna - Network Security Technician Portfolio

Contact Information

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Professional Summary

Certified Network Security Technician with a robust foundation in networking concepts, security best practices, and hardware installation. Graduated from **Boston City College** with a **Secure Infrastructure Technician Qualification** that covered **CompTIA A+, Network+, and Security+**, achieving an average grade of **71.3%**. Highly proficient in troubleshooting and resolving network issues, with practical experience gained through hands-on projects and professional work at DHL Express. Committed to delivering secure and reliable network solutions.

Certifications

- **Secure Infrastructure Technician Qualification (Boston City College)** (*Covers CompTIA A+, Network+, and Security+*)
- **CompTIA A+**
- **CompTIA Network+**
- **CompTIA Security+**

Relevant Coursework

- **CompTIA A+:** Hardware and Network Troubleshooting, Installing and Configuring Operating Systems, Software Troubleshooting, Security Best Practices.
- **CompTIA Network+:** Networking Concepts, Infrastructure, Network Operations, Network Security, Network Troubleshooting and Tools.
- **CompTIA Security+:** Threats, Attacks, and Vulnerabilities; Technologies and Tools; Architecture and Design; Identity and Access Management; Risk Management; Cryptography and PKI.

Work Experience

Export Customs Agent | DHL Express | November 2021 – Present

- Coordinated with customs officials to ensure smooth export operations.

- Managed documentation and compliance for international shipments.
- Tracked and updated shipment status for clients and internal teams.
- Ensured timely and accurate processing of export documentation.

Projects

1. Home Network and Satellite TV Setup

- **Date:** March 9th, 2024
- **Location:** Thokoza, Johannesburg
- **Objective:** Enhance home network connectivity and satellite TV quality for neighbors.
Details:
- Connected an old Telkom Wi-Fi router to VUMA Tel networking poles, saving R400 (\$22) per month.
- Reconfigured DSTV channels for uninterrupted viewing.
- Implemented security measures to protect the Wi-Fi network from unauthorized access.
Outcome: Improved internet and TV services, ensuring reliable and secure connectivity.

2. Office LAN Setup at DHL Express

- **Date:** March 22nd, 2024
- **Location:** Kempton Park
- **Objective:** Establish a Local Area Network (LAN) to enhance operational efficiency.
Details:
- Connected RJ-45 cables to computer monitors and configured network settings.
- Installed the AQCC system on monitors for streamlined shipment tracking. **Outcome:** Improved operational efficiency, enhancing cargo tracking and business transparency.

3. Networking for Mo Soul Picnic Event

- **Date:** March 23rd, 2023
- **Location:** Moriting Park, Thokoza
- **Objective:** Set up networking and connectivity for event attendees and equipment.
Details:
- Configured 6 HP laptops, sound equipment, amplifiers, and LED displays for event functionality.
- Connected all devices to LAN Fiber Network for seamless internet access. **Outcome:** Ensured stable connectivity and enhanced attendee experience.

4. CompTIA A+ Hardware Installation

- **Date:** April 2nd, 2024
- **Location:** Boston City Campus College
- **Objective:** Install a gaming motherboard and CPU as part of CompTIA A+ certification.
Details:

- Installed an MSI B550 motherboard, AMD Ryzen 7 CPU, and other hardware components.
- Configured RAID storage and virtual machines for high-performance needs. **Outcome:** Successfully demonstrated advanced hardware installation expertise.

5. Advanced Network Configuration (CompTIA Network+)

- **Date:** May 20th, 2024
- **Location:** Boston City Campus College
- **Objective:** Configure advanced network settings and optimize performance. **Details:**
- Configured IPv6, DNS, VLAN, VPN, and other network services.
- Connected twisted pair and fiber optic cables, ensuring robust performance. **Outcome:** Improved network functionality and performance through advanced configurations.

Technical Skills

- **Networking:** LAN/WAN setup, Wi-Fi configuration, and VPN optimization.
- **Security:** Firewall deployment, encryption, and secure access protocols.
- **Hardware Installation:** Expertise in assembling and configuring motherboards, CPUs, and peripherals.
- **Troubleshooting:** Diagnosing and resolving hardware and network issues.
- **Tools and Software:** VirtualBox, Nmap, Nessus, and network monitoring tools.
- **Compliance and Documentation:** Skilled in managing detailed documentation for customs and export compliance.

Relevant Projects

1. Vulnerability Assessment and Penetration Testing

- **Project Title:** Home Network Security Assessment
- **Date:** February 3rd, 2025
- **Description:** Conducted a vulnerability assessment on a home network using tools like **Nmap** and **Nessus Essentials**. Scanned for open ports, outdated software, and vulnerabilities. Performed a basic penetration test to simulate attacks, identifying weak passwords and unsecured services. Provided recommendations to mitigate malware threats and unauthorized access risks.
- **SY0-701 Alignment:** Addresses the "Threats, Attacks, and Vulnerabilities" domain through vulnerability scanning, penetration testing, and risk mitigation.

2. Security Information and Event Management (SIEM) Implementation

- **Project Title:** SIEM Log Analysis and Incident Response
- **Date:** April 10th, 2024
- **Description:** Deployed a **Security Information and Event Management (SIEM)** solution using **Security Onion**. Collected and analyzed security logs to create custom

dashboards and alerts for monitoring suspicious activities like brute-force attacks. Responded to a simulated security breach by correlating events and identifying the root cause.

- **SY0-701 Alignment:** Demonstrates expertise in the "Technologies and Tools" domain, focusing on security monitoring and analysis.

3. Secure Network Architecture Design

- **Project Title:** Secure Network Design for a Small Business
- **Date:** May 29th, 2024
- **Description:** Designed a secure network architecture with a **layered security approach**, implementing firewalls, IDS/IPS, and VPNs. Established a secure wireless network with encryption and access controls. Documented security policies and created detailed network diagrams to align with compliance standards.
- **SY0-701 Alignment:** Highlights the "Architecture and Design" domain, emphasizing secure network segmentation and defense-in-depth strategies.

4. Identity and Access Management (IAM) Implementation

- **Project Title:** Multi-Factor Authentication (MFA) and Role-Based Access Control (RBAC)
- **Date:** September 12th, 2024
- **Description:** Configured **MFA** solutions using tools like **Google Authenticator** and **Microsoft Authenticator**. Implemented **RBAC** to enforce the principle of least privilege. Updated user access policies to minimize the risk of unauthorized access to sensitive resources.
- **SY0-701 Alignment:** Showcases skills in the "Identity and Access Management" domain, including robust authentication mechanisms.

5. Risk Management and Compliance

- **Project Title:** Risk Assessment and Mitigation Plan
- **Date:** October 15th, 2024
- **Description:** Conducted a **risk assessment** for a simulated organization, identifying vulnerabilities and potential threats. Developed a risk mitigation plan with prioritized controls based on impact and likelihood. Researched compliance frameworks such as **GDPR** and **POPIA**, ensuring alignment with industry regulations.
- **SY0-701 Alignment:** Demonstrates expertise in the "Risk Management" domain, focusing on risk assessment, mitigation, and compliance.

6. Cryptography and PKI Implementation

- **Project Title:** Certificate-Based Authentication and Data Encryption
- **Date:** December 4th, 2024
- **Description:** Configured a **Public Key Infrastructure (PKI)** to issue and manage digital certificates. Enabled certificate-based authentication and implemented encrypted

communication channels using **OpenSSL**. Demonstrated secure data transmission through symmetric and asymmetric encryption processes.

- **SY0-701 Alignment:** Addresses the "Cryptography and PKI" domain, showcasing expertise in secure communication protocols and cryptographic principles.

Technical Skills

- **Security Tools:** Nmap, Nessus Essentials, Security Onion, OpenSSL, ELK Stack
- **Networking:** Firewall configuration, IDS/IPS deployment, secure network design
- **Risk Management:** Vulnerability assessment, compliance alignment (GDPR, POPIA)
- **Incident Response:** SIEM analysis, security breach investigation
- **Cryptography:** Certificate management, symmetric/asymmetric encryption

Conclusion

This portfolio highlights my comprehensive skills, practical experience, and academic qualifications, demonstrating my readiness to contribute as a skilled Secure Infrastructure Technician. Thank you for your consideration.