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BRENNEN TSE

COMPTIA CERTIFIED SECURITY+

PROFESSIONAL SUMMARY/OBJECTIVE

I am a highly motivated student with experience in networking, cybersecurity, IT, and Linux. Currently seeking an internship or full-time position in cybersecurity where I can apply my passion and technical skills in information security and technology.

EDUCATION

KENNESAW STATE UNVERSITY 2022-2026
- Bachelor of Science in Information Technology (4.0 GPA)
- Minor: Cybersecurity

NEWPORT HIGH SCHOOL CISCO NETWORKING ACADEMY 2020-2022
CCNA, CCNP, Cybersecurity Courses (4.0 GPA)
- Completed Cisco CCNA, CCNP, and Cybersecurity courses under instruction of Jeffery Mason and Michael Hansen.

CERTIFICATIONS

- **CompTIA Security+ (SY0-601)**
- **Cisco Certified Network Associate (CCNA 200-301)**
- **AWS Certified Cloud Practitioner (AWS CLF-C01)**
- **MTA: Security Fundamentals (2022)**
- **MTA: Networking Fundamentals (2021)**

EXPERIENCE/LEADERSHIP

PENTESTING, MALWARE ANALYSIS & TRIAGE
- 2023 US Cyber Challenge (Wireshark Packet Analysis) – Ranked Top 15 out of 100+ contestants
- TryHackMe – Top 7% of users

President of Cisco Project Club from 9/2020-6/2022
- Elected and led/managed the Cisco Project Club, partnering with the Bellevue Rotary Club for community outreach projects.
- The projects included configuring all-in-ones for use in food banks to create a catalog and database system.
- Wiping and configuring previously owned BSD laptops to be used in Antigua for kids K-12.
- Configuring Cisco LWAP's for use as Autonomous WAPs connecting wireless systems from separate buildings in Antigua.
- Set up CISCO racks with Type 4321 Routers, Type 3750 Catalysts and Palo Alto Firewalls.

TECHNICAL/SOFT SKILLS

- Virtual machines, MITRE ATT&CK framework, NIST Risk Management, Linux distro configuration, python scripting
- Constantly documenting mistakes and lessons learned
- Efficient troubleshooting and problem management
- Quickly able to achieve proficiency in new hardware and programs

EXPERIENCED IN

SOFTWARE:

- KALI-LINUX
- WIRESHARK
- WINDOWS ACTIVE DIRECTORY
- NMAP
- BURPSUITE
- UBUNTU
- PALO-ALTO GLOBAL PROTECT
- VMWARE/VIRTUAL-BOX
- AWS-CLI
- PFSENSE

DEVICES

- CISCO 4321/2901 ROUTER
- CATALYST 3750/3560 SWITCH
- PALO-ALTO FIREWALL
- LENOVO YOGA 260
- CISCO WAP AIRNET 1700
- CISCO AIR-CT5508 WLC

PROTOCOLS

- OSPF
- STP
- EIGRP
- CAPWAP
- eBGP/iBGP
- SSH
- INTER-VLAN ROUTING
- HSRP
- EtherChannel
- RADIUS/TACAS+

MULTI-AREA OSPF
-Increased network speeds and performance by creating and bridging 3 OSPF areas and implementing a multi-area topology.

EIGRP
-Implemented continuous high-speed data transfer with a mix of modern and legacy equipment by configuring EIGRP to route network information efficiently and implemented variance values of 2 or more to load-balance unequally across links of different speeds (1544 kbps vs 256 kbps).

eBGP Redistribution
-Facilitated the seamless and dynamic routing of traffic through redistribution of different routing protocols (OSPF/EIGRP) configured on 3 different sites and a EBGP connection.
-Reduced costs by allowing easy integration of network topologies with different routing protocols into the overlying network.

IBGP
-Configured IBGP to forward EBGP routes and traffic over underlying routing protocols like EIGRP/OSPF, allowing for coherent internal connections and later route redistribution over 5 areas with 3 different protocols.
-Using IBGP keeps routes from being continually redistributed into every new IGP it encounters, instead offering a standard and overarching framework for route redistribution.

VRF Lite
-Configured 2 different networks to communicate securely using the same underlying hardware, interfaces and IP addresses using VRF Lite, OSPF and subinterfaces.

AWS EC2, RDS, Load Balancer
-Developed, configured, backed up, and monitored several AWS VMs.
-Deployed and configured AWS relational database service with RDS interfaced by a web application to edit and view contents of that database.
-Deployed and configured automatic load balancing and instance launchers for scalability used to initiate new instance deployments.

STP/EtherChannel Routing and HSRP Redundancy
-Implemented network redundancy through Hot Standby Router Protocol to reroute packet if the primary router goes down.
-Provided high-speed links and redundancy by bundling multiple ethernet links into one aggregate link through Etherchannel.
-Prevented routing loops from being created in LANs with multiple interconnected switches through STP.

PALO ALTO SOHO ENVIRONMENT
-Setup a SOHO configuration on the PA-220 firewall using the WebGUI.

PALO ALTO SITE-TO-SITE VPN
-Provided secure internet access to users by creating a VPN through a Palo Alto PA-220 firewall.

AAA (RADIUS and TACACS+)
-Provided authentication and authorization of logins and users for routers and firewalls by configuring AAA through RADIUS and TACACS+.

WLC/WAP Configuration
-Extended and secured a wireless network by configuring a Wireless Lan Controller with two Wireless Access Points.
-Added further security using passwords, VLANs and ACLs.

PFSENSE
-Provided security to Linux and Windows virtual machines and servers by configuring PFSENSE to serve as a both a router and a firewall.

Windows Active Directory
-Configured Windows Active Directory services on Windows Domain Controllers and PCs. Created organizational units for ease of security control.

Windows Policy
-Set and implemented base security policies across a testing domain using Group Policy Objects and their requisite settings to secure access, authorize users, and prevent vulnerabilities.