

Shucayb Abdirahman

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Work Experience

July 2022 - Present

Network Security Engineer

The Office Group, Fora

- Provide network infrastructure for over 20,000 clients across 75+ workspaces, ranging from SMEs to Fortune 500 companies, focusing on network security.
- Enhancing Wi-Fi security, reducing unauthorised access, and improving network management by implementing WPA2-Enterprise across workspaces.
- Reviewed and optimised network segmentation across workspaces, improving security, reducing attack surfaces, and ensuring compliance with best practices.
- Configured and fine-tuned Palo Alto, Sophos, Cisco ASA, Fortinet, and Check Point firewalls, significantly strengthening network defences against cyber threats.
- Implement VLANs to segregate customer networks, significantly enhancing security and privacy by ensuring each customer's data remains isolated and protected.
- Utilized Wireshark to diagnose and resolve slow network issues, optimizing performance and reliability for client networks.

April 2022- July 2022

IT Engineer- Contract

The Education Space

- Managed IT infrastructure for over 10 schools, demonstrating a strong background in overseeing and enhancing diverse IT environments within educational settings.
- Maintained exceptional uptime by leveraging cloud-based monitoring tools like Meraki to proactively identify and swiftly respond to potential issues or failures, ensuring uninterrupted operations and seamless user experiences.
- Collaborated with third-party vendors to address and resolve any product or service-related issues, effectively managing vendor relationships to ensure efficient support and minimal disruption to IT systems.

Dec 2020 - April
2022

IT Teacher Assistant

TSN Academy

- Provided comprehensive training and support to hundreds of students, preparing them for vendor certifications in Cisco, Check Point, Palo Alto, VMware, Microsoft, and CompTIA. Achieved an exceptional 98% certification success rate.
- Guided students in practical labs, demonstrating the setup of devices like routers, switches, firewalls, and DHCP servers and implementing Microsoft AD.
- Asset management of all training equipment across all UK and East Africa centres.

Skills

- Hands-on experience configuring and managing enterprise network security devices, including firewalls, IDS, and IPS.
- Skilled in NIST, ISO/IEC 27001, and CIS frameworks focusing on GDPR and HIPAA compliance.
- Solid foundation in programming and scripting languages, including Python, JSON, PowerShell, and Bash, enabling efficient automation and process optimisation.
- Hands-on experience with deploying and managing Wazuh SIEM for advanced threat detection.
- Proficient in DevOps with Git, Docker, and IAC integration to enhance security in development cycles.

Certifications

- AWS Certified Security Specialty - 2024
- Practical Network Penetration Tester (PNPT) - 2024
- Tryhackme SOC level 1 - 2024
- Junior Penetration Tester (eJPT) - 2023
- AWS Certified SysOps Administrator- 2023
- AWS Certified Solutions Architect- 2023
- Azure Security Engineer Associate (AZ-500)- 2022
- Check Point Certified Security Administrator- 2022
- CompTIA Security+ - 2021
- Cisco Certified Network Associate (CCNA) - 2021

Projects

Penetration Testing: As part of earning my PNPT certification, I conducted a full penetration test in a simulated enterprise environment, focusing on network exploitation and Active Directory security. The exam required performing reconnaissance, vulnerability identification, privilege escalation, and lateral movement using tools like Nmap, Metasploit, and BloodHound. Additionally, I produced a detailed report documenting findings, attack paths, and remediation steps, showcasing my ability to effectively analyse, exploit, and communicate security vulnerabilities.

Cloud: Developed a dynamic resume website using HTML, CSS, and JavaScript, hosted on AWS S3 with AWS CloudFront for optimised content delivery. Implemented a Python AWS Lambda function for a visitor counter, stored in AWS DynamoDB and triggered via a REST API on AWS's API Gateway. The deployment process is automated with GitHub Actions. Enhanced security features include AWS WAF for protection against web threats and IAM for strict access control. Check the demo at <https://cloud.shucayb.com>.