

Anthony Avelar

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SUMMARY OF KEY SKILLS & KNOWLEDGE

Programming/Scripting: Python, Swift, Powershell

Log Analysis: Able to interpret Nmap scans, Splunk results, Event Viewer logs, Wireshark output, Nessus scans

Firewall Configuration: pfSense, Palo Alto PAN-OS

OS Troubleshooting: Windows 10/11, Kali Linux, Ubuntu

Virtualization: Amazon AWS, VirtualBox

Technical Writing: Expert in writing summary reports of technical subjects and in creating training documents

WORK EXPERIENCE

Montgomery College Cybersecurity Lab, Germantown, MD

August 2022 – December 2023

A public community college that offers different degree programs and certificate courses to local students seeking professional development.

Lab Assistant

In this position, I provided tutoring to students and technical support to staff in a laboratory setting. I assisted in the development and delivery of cybersecurity training materials.

- Delivered presentations and demonstrations twice a week on a variety of cybersecurity topics, tools and techniques to a group of 10-20 students
- Taught students Linux command line and Python programming concepts using Raspberry Pi devices
- Wrote documentation designed to train students how to compete in cybersecurity competitions (such as the National Cyber League, PicoCTF and CyberFastTrack)

US Army Corps of Engineers Office, Baltimore, MD

December 2020 – June 2021

A federal agency responsible for public engineering projects, including the construction of dams, levees and other civil work projects located within the US and its affiliated territories.

Helpdesk Technician (Tier 2)

In this position, I provided technical support to end-users and assisted in network-wide server upgrades. I also researched and wrote training materials designed to train junior (tier 1) technicians.

- Provided technical support for on-premises & cloud-based technologies (computer hardware, mobile devices, printers & VoIP phones)
- Identified and monitored potential threats and vulnerabilities within the corporate network
- Assisted internal IT security team with investigation and remediation efforts of cybersecurity incidents

Marine Corps Air Control Squadron 24, Virginia Beach, VA

March 2017 – September 2018

A military unit that provides air traffic control, radar and communication management services for other units affiliated with US military. Based on the East Coast of the US.

Network Administrator

In this position, I oversaw the operation of a mobile computer network of a military unit comprised of about 250 individuals. I installed, configured and monitored network hardware and software and provided on-site technical assistance as needed.

- Created, configured and deployed desktop & server images (Windows Vista & Linux RedHat)
- Setup file sharing, networked printers and computers using DHCP and static IP addressing
- Secured endpoint systems through physical, technical and administrative controls in compliance with NIST SP 800-53

Marine Tactical Air Command Squadron 18, Okinawa, Japan

March 2015 – January 2017

A military unit that provides air traffic control, radar and communication management services for other units affiliated with US military. Based overseas.

Network Technician

In this position, I installed, configured and maintained computer network related equipment such as routers and switches. I also enforced IT security policies and troubleshoot network connectivity service tickets that were escalated from tier 1 helpdesk technicians.

- Provided tier 2 tech support to a military unit of 450 users via on-site or phone support
- Setup, maintained and disposed of IT networking materials and equipment in compliance with the asset management lifecycle
- Troubleshoot network connectivity issues and ensured the continuous operation of a computer network in both garrison and battlefield conditions

Marine Corps Communication-Electronics School, Twentynine Palms, CA

May 2014 – March 2015

A military academy that trains Marine Corp personnel to perform various duties related to telecommunications, electronic repair and computer network administration. Courses are designed to prepare trainees to operate and repair electronic equipment needed to complete military operations in battlefield conditions.

Junior Helpdesk Technician

In this position, I installed, configured and maintained computer network equipment such as routers and switches. I also enforced IT security policies and troubleshoot network connectivity service tickets.

- Provided on-site tier 1 tech support to a military unit of 125 users
- Responded to, diagnosed, and documented work tickets assigned through ServiceNow ticketing system
- Troubleshoot PC software issues (particularly MS Office Suite related ones)
- Installed, inventoried, repaired and decommissioned computer hardware
- Created, monitored, and deleted user accounts & passwords

EDUCATION

Bachelor's Degree: Applied Cybersecurity, SANS Technology Institute, Bethesda MD

- Currently enrolled in a cybersecurity program designed to earn a bachelor's degree plus 9 GIAC certifications. Courses involve learning incident handling, cloud-based security, SIEM monitoring, PowerShell automation, web app penetration, and Windows forensic analysis
- Includes an internship as an Apprentice Handler for the Internet Storm Center, a global cybersecurity monitoring program sponsored by SANS

Certificate Program: AWS Cloud Institute, Virtual

- Currently enrolled in a virtual training program designed to teach cloud and programming skills. Courses are designed to train students to gain the skills necessary to become a cloud developer who can develop, deploy, monitor and maintain cloud applications at scale

Associate's Degree: Cybersecurity, Montgomery College, Germantown MD

- Completed courses in computer troubleshooting, Python programming, Cisco networking, Linux administration, digital forensics, cloud computing.

Certificate: Network+

Certificate: CySA+

PROFESSIONAL DEVELOPMENT EXPERIENCE

Club Leadership: President of the Cybersecurity Club at Montgomery College

Organization Volunteer: Raices Cyber, the Montgomery College IgniteHub

CTF Competition Participant: National Cyber League, KC7 Foundation, CyberMaryland

Hackathon Participant: BitCamp, University of Maryland Information Challenge

Conference Attendee: BSides NoVA, BSides Charm, DEFCON, New2Cyber SANS Summit