

Will Gaudette

willg@willgaudette.com
www.linkedin.com/in/will-gaudette/
(845) 616-2923 • New Paltz, NY 12561

Security Analyst / Engineer Profile

Technically advanced professional with substantial experience in delivering except-level technical support to users with aim of protecting computer networks from cyber-attacks. Demonstrated ability to create cybersecurity policies and practices as well as document security breaches. Exceptional talent for testing and screening security software along with evaluating networks and systems for security intrusions. Capable of analyzing software programs/online applications and creating quality solutions via utilization of developer and programming tools. Strong capacity to detect and examine advanced threats/vulnerabilities and mitigate associated cybersecurity risks. Possess strong communication expertise used to distill complexity into important updates for senior management and motivate teams to take action.

Areas of Expertise

- Cyber Security & Data Protection
- Strategic Planning & Execution
- Team Leadership & Training
- IT Support & Administration
- IT & Network Security Operations
- Risk Assessment & Mitigation
- Process Improvement
- Documentation
- Automation & Scripting Process
- Problem & Issue Resolution
- Operational Resilience
- Project Management

Professional Experience

Technically Creative, Newburgh, NY Support Technician

2021

Conducted manual tests on custom Apache NiFi processors and identified breaking issues to developers to ensure smooth workflow of client's data flows. Transferred data between legacy systems and replacement systems without data loss during format conversion and re-ingestion by using custom NiFi processors to create data flows.

- Enhanced co-worker/future employees' knowledge by preparing accurate and reusable documentation.
- Reduced average setup time of secured NiFi cluster to 30 minutes from multi-hour process by automating and scripting process, such as creation and distribution of SSL certificates.

Ulster Savings Bank, Kingston, NY Systems Analyst

2015 – 2017

Developed and maintained virtual office within AWS to offer alternative for mobile employees by utilizing Microsoft remote desktop, session brokerage, and roaming profiles within virtual environment. Established distributed file share to decrease effort to supply all 15 locations with identical copies of required files and programs.

- Resolved more than 1535 help desk tickets while providing support for 15 locations and over 300 users.
- Eradicated common reoccurring help desk ticks by revamping and cleaning 1K+ active directory objects while enabling use of Group Policy Objects.

United States Navy Cryptologic Technician Maintenance

2011 – 2015

Served as active member of multi-branch team by offering exceptional support to various individual sites across globe while assigned to National Security Agency. Positioned as sole system administrator to locations in both Afghanistan and Iraq as well as updated Windows XP to Windows 7 at all sites, while deploying to Afghanistan. Synchronized decontamination and destruction of sizable amount of electronic equipment to close facility and move numerous users to permanent location while minimizing downtime for supporting retrograde plan.

- Increased performance by leading and training 14 multi-disciplinary team members on management of routine operations and activities, while ensuring 99% mission competition rate.
- Deployed multiple Windows 7 workstations for time-constrained Joint Special.
- Led operations command required, while locating, analyzing, and addressing number of system flaws.

Key Projects

Fall 2019 National Cyber League

- Completed preseason training in 1st place out of 5220 competitors.
- Ended 3rd place out of 4149 competitors for individual games completing all but one password cracking question with accuracy score of 98.6%.

- **Tools Used:** Nmap, dir-buster, hashcat, gidria, Binary Ninja, aircrack-ng, and Wireshark.
- **Scouting Report:** cyberskyline.com/report/A090GC5BUY17

NSA Code Breaker Challenge 2019

- Finished 6 of 7 tasks relating to investigation and reverse engineering of android secure messaging application.
- **Tools Used:** Burp-suite and apktool.

Bitcoin Multi-User Wallets

- Developed web application to create and manage multi-user bitcoin wallets by using BitWasp/bitcoin-php Library.
- Acquired technical details of blockchain-based assets and multi-key wallets and transactions.

Blockchain-based Command and Control

- Managed proof-of-concept project that used OP_RETURN field within bitcoin transaction for communication between two systems.
- Established custom non-functioning, non-public ransomware in C sharp that created bitcoin wallet and encrypted string using C2's public key as well as informed C2 utilizing OP_RETURN field of bitcoin transaction of password for C2 to decrypt and formulate second transaction with decrypted string in OP_RETURN field.

Public HF Radio Log

- Designed public log to allow people to submit messages, captured from high-frequency radio transmissions hosted serverless using AWS Lambda and AWS Relational Database System
- Executed queue-based system for posting messages, received on multiple platforms by utilizing APIs for Twitter and Discord.
- Drafted custom filters to ensure messages follow expected format to disable bots from submitting spam.
- **Tools used:** PHP, Laravel, JavaScript, AWS Lambda, AWS RDS, and Restful APIs.

Custom PC & Lab

- Developed custom PC designed to host multiple VM with dedicated video cards, enabling full lab contained within single box.
- Attained basic knowledge by using Arch Linux and having to choose and install what was explicitly needed.
- Created custom script that acted as KVM switch by detecting which port device and plugged into as well as forwarded to appropriate VM without manual intervention.

Public cPanel Server

- Maintained cPanel server for friends, family, and self to have websites and email addresses not hosted by 3rd party providers since 2009.
- Configured Exim to forward specific domains' outbound email to AWS Simple Email Service to ensure emails not sent to recipient's junk mail.

Education & Certifications

Bachelor of Science in Cyber Intelligence & Security, 2020

Embry Riddle Aeronautical University, Prescott, AZ

- Acted as TA for Python and C++ programming class.
- Provided tutoring to fellow students before tests and exams for achieving best grades.
- **Courses Included:** *Introduction to Operating Systems, Database Security, Computer Forensics, Penetration Testing, Malware Analysis, Big Data Analytics, and Machine Learning.*

Capstone Project:

- Designed custom web-based framework to automatically scan network for devices & vulnerabilities using modular plugins.
- Used Nmap to perform scanning and vulnscan and Nmap-vulner scripts to perform initial vulnerability tests.
- Employed PowerShell to query windows policies to check for compliance based on NIST standards.

Competed National Cyber League