

# Jon William Taylor

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## Summary of Qualifications

Highly driven cybersecurity professional with a passion for programming, network security, risk management, and project management. Proactive and self-driven with strong technical acumen. Proficient in Python, Bash, Linux, Nessus, SQL, C++, and RMF. Skilled in assessing security infrastructure and adept at navigating complex problems. Excellent problem-solving and multitasking abilities with strong attention to detail. Effective communicator, excelling in both verbal and written communication. Thrives in independent and in collaborative team environments. Eligible to obtain and maintain a security clearance.

## Professional Experience

### IT Technician Project Team Technician

01/2025-03/2025

Cyburity, Huntsville, AL

- Delivered advanced IT support, diagnosing and resolving complex cybersecurity incidents, including network vulnerabilities and security breaches.
- Managed and monitored security services for over 25 customers, ensuring compliance with security protocols and industry best practices. Developed database to identify top 80/20 problems.
- Implemented timely and effective solutions for technical issues, leveraging cybersecurity tools to identify and mitigate risks.
- Utilized critical thinking and problem-solving skills to assess security infrastructure and resolve potential threats, minimizing downtime and ensuring data protection.
- Communicated technical issues and resolutions to clients, providing clear explanations of security measures and their impact on operations.
- Collaborated with cross-functional teams to identify and implement security enhancements, improving overall system resilience and user satisfaction.

### Cybersecurity Specialist Intern Technical II

09/2023-12/2023

SA/C, Huntsville, AL

- Developed and executed unit tests using Jest and Unittest for Python 3.11 and JavaScript, ensuring robust code validation and reliability.
- Analyzed and implemented unit test recommendations to optimize software performance and maintainability.
- Used Happy Scribe, an AI-powered transcription tool, to accurately transcribe and refine instructional video transcripts, enhancing accessibility and content clarity.
- Effectively communicated test strategies, findings, and insights to stakeholders through comprehensive reports and presentations.

## Education & Certifications

### Bachelors of Science in Business Administration,

Grad 12/2023

The University of Alabama in Huntsville, College of Business, Huntsville, Alabama

Major: Information Systems Cybersecurity

**Security+**, # L6N9QPGSMNEE1FWR, CompTIA, 2023, expires 02/14/2026

**TestOut Linux Pro**, #6-1C6-VAJU9N, TestOut, 2023

**Certified in Cybersecurity**, #1576415, (ISC)<sup>2</sup>, 2024, expires 03/31/2027

## Key Skills

- Python, JavaScript, Vue, HTML, C++, Bash

- Linux, Windows, Agile, SQL/Server, Git, AWS, Cisco Packet Tracer, Nessus, Wireshark, Active Directory, ServiceNow, Jira, Microsoft Office Suite, Elastic Stack, Technical Writing, Proposal Writing, RMF, Automation, Troubleshooting, Scripting, NIST, Networking, Customer Service

## **Projects**

### **Active Directory via PowerShell**

- Coordinated the deployment of Active Directory organizational unit containers to enhance the division of responsibilities between users and business functions.
- Developed a PowerShell script to efficiently create 1000 users, using PowerShell commands to seamlessly integrate them into Active Directory.
- Pioneered the creation of user accounts, fine-tuning password parameters, and imposing expiration limits. Monitored user activity meticulously for validation purposes. Implemented two-factor authentication as an added layer of security.

### **Nessus Vulnerability Scanner**

- Activated Nessus scanner and orchestrated Windows 10 VM for rigorous scanning purposes
- Deployed an antiquated version of Firefox riddled with known vulnerabilities and deactivated the Windows firewall to scrutinize the Nessus configuration thoroughly
- Generated comprehensive vulnerability reports and rectified 152 vulnerabilities on Windows 10 VM, aligning meticulously with recommendations delineated in the vulnerability report

### **PowerShell File Integrity Monitor**

- Developed and validated five dynamic PowerShell scripts to identify file integrity and text alterations across various platforms and specifications.
- Oversaw surveillance of file changes and assessed user access: least privilege principle

### **Enterprise Network Design Project (University of Alabama in Huntsville)**

- Spearheaded creation of an enterprise network, showcasing mastery in networking.
- Designed a resilient network architecture by coordinating multiple IP-based network devices to simulate a stable operational environment
- Implemented deployment and configuration of six potent network routers, six high-performance switches, 31 workstations, and cutting-edge encryption devices, ensuring seamless connectivity to application server.

### **Ubuntu STIG Automation Project (University of Alabama in Huntsville)**

- Engineered a robust bash script to streamline the automated identification of Security Technical Implemented Guides (STIGs) within the Ubuntu operating system
- Spearheaded a comprehensive assessment to detect and swiftly rectify three Category 1(CAT1) and five Category 2(CAT2) STIGs in Ubuntu, harnessing the power of the developed script for expedited remediation. Mastered use of STIG Viewer 3

### **Bash Risk Framework Automation Scripts**

- Spearheaded the development and implementation of scripts to streamline various aspects of the risk management process, revolutionizing pivotal steps for enhanced efficiency
- Devised and implemented scripts to automate the generation of System Security Plans (SSPs), Standard Operating Procedures (SOPs), and Security Assessment Plans (SAPs), fortifying documentation processes.

### **Python Wireshark PCAP Analyzer**

- Developed and implemented a Python based solution for PCAP file analysis, optimizing network traffic visibility and streamlining data processing workflows.
- Leveraged the Scapy library to extract, parse, and interpret complex packet-level data, delivering actionable insights for network monitoring and security analysis