

Jon William Taylor

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Summary of Qualifications

Highly driven cybersecurity professional with expertise in system administration, network security, risk management, and project management. Proficient in Python, Bash, Linux, Nessus, SQL, and RMF, with strong skills in assessing security infrastructure and solving complex problems. Effective communicator with excellent multitasking and attention to detail, thriving in both independent and collaborative environments. Eligible to obtain and maintain a security clearance.

Professional Experience

IT Technician Project Team Technician

40 hrs/week

Supervisor: Nick Esslinger, 256-652-2804

Cyburity, Huntsville, AL

01/2025-03/2025

- Delivered IT support and incident response for 25 customers, resolving network vulnerabilities and ensuring compliance with security protocols.
- Developed database to identify and prioritize top 80/20 security problems, improving resource allocation and response efficiency by 50%
- Implemented timely and effective solutions for technical issues, leveraging cybersecurity tools to identify and mitigate risks 35%.
- Utilized problem-solving skills to assess security infrastructure and minimize downtime.
- 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

20 hrs/week

Supervisor: Lance Meadows, 775-287-0903

SA/C, Huntsville, AL

09/2023-12/2023

- Developed and executed unit tests using Jest and Unittest for Python 3.11 and JavaScript, ensuring robust code validation and reliability.
- Enhanced software performance by analyzing test data and implementing targeted optimizations, cutting runtime errors by 20%
- Used Happy Scribe, an AI-powered transcription tool, to accurately transcribe and refine instructional video transcripts, enhancing accessibility and content clarity by 100%
- 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+ ce, #L6N9QPGSMNEE1FWR, CompTIA, 2023, expires 2/14/2026

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

Certified in Cybersecurity, #1576415, ISC2, 2024, expires 3/31/2027

Technical Skills

Programming & Scripting: Python, Bash, C++, JavaScript, HTML, Vue

Operating Systems & Tools: Linux, Windows, SQL/Server, Git, AWS, Elastic Stack

Cybersecurity & Networking: Nessus, Wireshark, RMF, NIST, Cisco Packet Tracer, Networking,

Troubleshooting

System Administration: Active Directory, Group Policy, Windows Server, User Account Management, Automation

IT Service Management: ServiceNow, Jira, Technical Support, Customer Service, Documentation

Reporting & Writing: Technical Writing, Proposal Writing, Report Development

Collaboration & Productivity: Microsoft Office Suite (Excel, Word, PowerPoint), Agile, Stakeholder Communication and Collaboration

Projects

Active Directory via PowerShell

5/hrs/week

- Coordinated deployment of Active Directory organizational units, OUs, to streamline user and business function responsibilities.
- Developed PowerShell automation scripts to efficiently create and integrate 1000 user accounts into Active Directory.
- Implemented secure account management practices, including password policies, expiration limits, user monitoring activity, and two factor authentication to enhance security compliance.

Nessus Vulnerability Scanner

4 hrs/week

- Activated Nessus scanner and orchestrated Windows 10 VM for rigorous scanning purposes.
- Developed and executed secure testing protocols within isolated environments, utilizing Nessus to pinpoint vulnerabilities; ensured zero critical vulnerabilities were found post-implementation by 100%.
- 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

4 hrs/week

- 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)

6 hrs/week

- Designed and implemented enterprise network architecture, integrating routers, switches, workstations and encryption devices for seamless connectivity.
- Configured and coordinated IP-based network devices, ensuring resilience, stability and secure access to application server.
- Demonstrated advanced network expertise in deployment, configuration, and operational testing of network infrastructure.

Ubuntu STIG Automation Project (University of Alabama in Huntsville)

4 hrs/week

- 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

5 hrs/week

- Developed and deployed automation scripts to streamline RMF documentation, including System Security Plans (SSPs), Standard Operating Procedures (SOPs), and Security Assessment Plans (SAPs).
- Optimized compliance workflows, reducing manual processing time and enhancing accuracy in risk reporting and compliance tracking by 50%.

Python Wireshark PCAP Analyzer

6 hrs/week

- Developed and implemented a Python based solution for PCAP file analysis, optimizing network traffic visibility and streamlining data processing workflows by 60%.
- Leveraged the Scapy library to extract, parse, and interpret complex packet-level data, delivering actionable insights for network monitoring and security analysis.