

Jon William Taylor

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Summary of Qualifications

Highly driven cybersecurity and IT professional with expertise in system administration, network security, risk management, and project management. Proficient in Python, Bash, Windows 10/11, Linux, Microsoft Office 365, Active Directory, and RMF, with strong skills in assessing security infrastructure and solving complex problems. Effective verbal & written 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

January 2025-March 2025

Role impacted by contract non-reward; role concluded as a result of project transition.

- Delivered responsive IT support and troubleshooting for 25+ clients, resolving hardware, software, and network issues to maintain optimal system performance by 50%
- Developed database to identify and prioritize top 80/20 security problems, improving resource allocation and response efficiency by 50%.
- Identified and remediated system and security vulnerabilities, reducing potential risks by improving network reliability by 35%.
- Utilized problem-solving skills to diagnose complex technical problems, implementing effective solutions that minimized downtime and boosted user productivity by 80%.
- Communicated technical information clearly to end users, ensuring understanding of solutions and best practices.
- Collaborated with cross-functional teams to enhance system security, strengthen processes, and improve user experience by 50%.

Cybersecurity Specialist Intern Technical II

20 hrs/week

Supervisor: Lance Meadows, 775-287-0903

SA/C, Huntsville, AL

September 2023-December 2025

- 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 December 2023

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

Major: Information Systems, Cybersecurity

CompTIA Security+ ce, #L6N9QPGSMNEE1FWR, 2023, exp. February 2029

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

(ISC)² Certified in Cybersecurity, #1576415, exp. March 2027

Technical Skills

- **Programming & Scripting:** Python, Bash, C++, JavaScript, HTML, Vue.js.
- **Operating Systems & Tools:** Linux, Windows 10/11, SQL, MySQL, SQL Server, Elastic Stack, Splunk, Git, AWS.

- **Cybersecurity & Networking:** Nessus, Wireshark, RMF, NIST, Cisco Packet Tracer, Networking, Troubleshooting, STIG Viewer.
- **System Administration:** Active Directory, Group Policy, Windows Server, User Account Management, Automation, End User Support
- **IT Service Management:** ServiceNow, Jira, Atera, ServiceNow, Technical Support, Customer Service, Documentation, Confluence.
- **Reporting & Writing:** Technical Writing, Proposal Writing, Report Writing, Incident Reporting, Report Analysis.
- **Collaboration & Productivity:** Microsoft Office Suite (Excel, Word, PowerPoint), Teams, SharePoint, Agile, Stakeholder Communication and Collaboration, Microsoft Office 365.

Projects

Active Directory via PowerShell	5 hrs/week
<ul style="list-style-type: none"> • Orchestrated deployment of Active Directory organizational units, OUs, to optimize user and business function management by 100% • Automated the creation and integration of 1000 user accounts in Active Directory using PowerShell scripts. • Enforced secure account management practices, including password policies, expiration limits, activity monitoring, and two-factor authentication to strengthen compliance by 80%. 	
Nessus Vulnerability Scanner	4 hrs/week
<ul style="list-style-type: none"> • Configured Nessus scanner and Windows 10 VM to perform comprehensive vulnerability assessments. • Detected and remediated 75+ critical security flaws in Firefox, enhancing overall security posture by 100% • Compiled detailed vulnerability reports and resolved 152 system vulnerabilities in alignment with recommended actions. 	
PowerShell File Integrity Monitor	4 hrs/week
<ul style="list-style-type: none"> • Developed and validated five dynamic PowerShell scripts to track file integrity and text modifications across platforms. • Monitored file changes and evaluated user access according to the least privilege principle. 	
Enterprise Network Design Project (University of Alabama in Huntsville)	6 hrs/week
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Engineered a robust Bash script to streamline the automated identification of Security Technical Implemented Guides (STIGs) within the Ubuntu operating system. • Detected and remediated 8 vulnerabilities (3 high, 5 medium), ensuring compliance with DoD benchmarks by 60% 	
Bash Risk Framework Automation Scripts	5 hrs/week
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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. 	