

## Jon William Taylor

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<https://github.com/JWT890> | <https://jwt890.github.io/website/>

### 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

January 2025-March 2025

Cyburity, Huntsville, AL

*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

September 2023-December 2023

SAIC, Huntsville, AL

*Internship concluded; full time position not available due to budget constraints.*

- 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, exp. February 2026

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

**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**

- Orchestrated deployment of Active Directory organizational units, OUs, to optimize user and business function management.
- 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.

### **Nessus Vulnerability Scanner**

- 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.
- Compiled detailed vulnerability reports and resolved 152 system vulnerabilities in alignment with recommended actions.

### **PowerShell File Integrity Monitor**

- 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)**

- 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)**

- 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.

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

- 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**

- 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.