

Jon William Taylor

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Summary of Qualifications

Highly driven cybersecurity and IT professional with expertise in system administration, network security, customer support, 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

Position eliminated due to anticipated contract not being awarded

- Delivered responsive IT support and troubleshooting for 25+ clients, resolving hardware, software, and network issues to maintain optimal system performance.
- Developed database to identify and prioritize top 80/20 security problems, improving resource allocation and response efficiency.
- Identified and remediated system and security vulnerabilities, reducing potential risks by improving network reliability.
- Utilized problem-solving skills to diagnose complex technical problems, implementing effective solutions that minimized downtime and boosted user productivity.
- 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.

Cybersecurity Specialist Intern Technical II

September 2023-December 2023

SAIC, Huntsville, AL

4 month internship term. 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.
- 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

Bachelor 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 2029

TestOut Linux Pro, #6-1C6-VAJU9N

(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

- 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.

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.

IT Repetitive Task Automation

- Engineered automation scripts in Python, Bash, JavaScript, and C++ to streamline repetitive system administration tasks, boosting operational efficiency and reducing manual effort.
- Designed and deployed tools for Linux monitoring, disk usage tracking, patch status verification, and user provisioning, enhancing system reliability and visibility.

Active Directory Environment with Proxmox

- Designed and deployed a multi-VM Windows lab in VirtualBox and Proxmox VE, configuring Active Directory, DNS, and domain-joined clients to simulate enterprise infrastructure while reducing deployment complexity and improving network integration
- Automated end-to-end lab provisioning from initial VirtualBox setup to full Proxmox deployment with Windows Server and client VMs, accelerating lab readiness and testing efficiency

n8n Helpdesk Ticket Database Automation

- Streamlined ticket reporting by automating Jira-to-Excel exports with n8n, reducing manual data entry
- Optimized workflow scheduling and filtering, improving team reporting efficiency
- Enabled actionable insights through automated Google Sheets visualizations, increasing data clarity and trend tracking.

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.