

ISAIAH BAGWELL

Melfa, VA • 757-710-0878 • isaiahbagwell75@gmail.com • Active U.S. Secret Clearance

PROFESSIONAL SUMMARY

Systems & Test Engineer with hands-on cybersecurity and network administration expertise. Experienced in Linux (RHEL), Python, C++, and switch configuration across Ethernet and fiber networks. Adept at designing and executing complex test procedures, conducting vulnerability assessments, and collaborating with cross-functional teams to meet rigorous defense and cybersecurity standards.

CORE COMPETENCIES

- **Systems/Test Engineering:** Test procedure development, hardware & OS configuration, trouble observation reporting, quality assurance, documentation.
- **Cybersecurity & Networking:** NIST CSF familiarity, vulnerability assessment, Wireshark packet analysis, TCP/IP, VLANs, firewall configuration, IDS/IPS concepts.
- **Programming & Tools:** Python, C/C++, Bash, MATLAB, shell scripting, Metasploit (reverse shell/post-exploitation labs).
- **Platforms & Equipment:** RHEL, UNIX/Linux, Cisco routers/switches, PXE/DHCP, SSDS lab configuration, fiber/ethernet cabling.

PROFESSIONAL EXPERIENCE

Test Engineer – JSL Technologies, Inc. – New Church, VA

Nov 2024 – Present

- Develop and execute test procedures for Land Based Engineering Test (LBET), Combat System Integration Test (CSIT), and Shipboard Developmental Test (SBDT).
- Configure hardware/OS environments for new software releases; evaluate and document results in Trouble Observation Report (TOR) database.
- Collaborate with product management and technical writers to align system/user manuals with evolving software.
- Mentor junior engineers on test development and conduct.

Network/Electronics Technician III – BAE Systems – Wallops Island, VA

Apr 2023 – Nov 2024

- Led network troubleshooting and packet capture analysis of multicast traffic using Wireshark, improving incident response time.
- Installed, configured, and maintained secure Ethernet and fiber optic systems, reducing downtime and ensuring compliance with Navy standards.
- Trained and mentored technicians on RHEL maintenance, Cisco equipment, and SSDS lab configuration.
- Recognized as Employee of the Year (2023) for exceptional system reliability and process improvement.

Manager Trainee – 84 Lumber Company – Keller, VA

Aug 2022 – Mar 2023

- Managed operations, inventory, and HR systems; developed leadership and project-planning skills applicable to technical teams.

SELECTED PROJECTS & LABS

- Reverse Shell & Privilege Escalation (Kali/Metasploit): Simulated post-exploitation on Windows 7 VM to evaluate vulnerabilities.
- WEP Encryption Penetration Test: Demonstrated weaknesses in legacy wireless encryption using controlled lab environment.
- Double Columnar Transposition Cipher Tool (Python): Implemented encryption/decryption algorithms for academic cryptography assignment.

EDUCATION

Associate of Science, General Studies – Eastern Shore Community College, Melfa, VA – May 2022

Bachelors of Science, Cybersecurity – Old Dominion University, Norfolk, VA – December 2025 (In Progress)

CERTIFICATIONS & CLEARANCE

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Valid Driver's License

(CompTIA Security+ or Network+ planned for 2025-26)

TECHNICAL SKILLS

RHEL • Linux/UNIX • Python • C/C++ • Bash • Wireshark • TCP/IP • VLAN • DHCP/PXE • Cisco Routers & Switches • IDS/IPS Concepts • Firewall Configuration • MATLAB • AutoCAD • Hardware Diagnostics