

Presley Ellsworth, CISSP, CEH

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Professional Summary

Results-driven Cybersecurity Engineer with over 16 years of experience specializing in governance, risk, and compliance (GRC), security hardening, and NIST-compliant frameworks. Skilled in achieving Authority to Operate (ATO) certifications, managing over 390 NIST 800-53r5 controls, and enhancing organizational security postures. Proficient in vulnerability assessment tools such as OpenSCAP and Nessus, as well as secure system development for aerospace and embedded systems. Known for delivering cross-functional leadership and aligning cybersecurity initiatives with organizational objectives.

Core Competencies

- Cybersecurity Frameworks: NIST 800-53, NIST 800-171A, RMF, CSF 2.0
- Vulnerability Management: OpenSCAP, Nessus
- Technical Skills: Linux Administration, Ansible, JIRA, GitLab, C/C++, Python, Bash
- Governance, Risk, and Compliance (GRC)
- Security Training and Awareness Programs
- System Security Plans (SSPs) Development and Management

Professional Experience

Senior Cybersecurity & Product Security Engineer

The Boeing Company, Titusville, FL | 2016 – 2025

- Developed NIST 800-53/800-171 compliant System Security Plans (SSPs) for aerospace and embedded systems.
- Achieved ATO certifications for key NASA systems, including Artemis Core Stage 1 Stage Controller.
- Conducted compliance audits and vulnerability assessments, remediating gaps to maintain regulatory alignment.
- Designed and implemented continuous monitoring protocols using OpenSCAP and Nessus.
- Authored over 390 security controls, ensuring strict adherence to NASA policies and standards.
- Led a 10-engineer team, delivering projects on time and meeting all compliance requirements.

Senior Software Engineer (Contract)

Softworld Inc., West Palm Beach, FL | 2015 – 2016

- Designed Linux-based embedded diagnostics and C/C++ security software for military-grade applications.

Senior Firmware Engineer

Sonavation Inc., Palm Beach Gardens, FL | 2014 – 2015

- Developed secure bootloader firmware and AES256 cryptographic protocols for ARM Cortex-M4 systems.

Senior Security Software Engineer

DRS Technologies Inc., Melbourne, FL | 2011 – 2013

- Engineered secure embedded systems with tamper detection and Secure Boot implementations.

Education & Certifications

- MRes/PhD, Forensic Cyberpsychology (Anticipated 2025/2028), Capitol Technology University, Laurel, MD
- CISSP (Certified Information Systems Security Professional), 2022, St. Louis University, St. Louis, MO
- CEH (Certified Ethical Hacker), 2022, St. Louis University, St. Louis, MO
- Bachelor of Science, Imaging Science, 3.39 GPA, Rochester Institute of Technology, Rochester, NY

Notable Projects

- Achieved ATO for NASA's Core Stage Green Run Artemis Program.
- Designed FIPS 140-2 Level 3 cryptographic storage for secure hardware provisioning.
- Hardened Solaris platforms for NIST 800-53 and DISA STIG compliance.