

SUMMARY

Highly experienced Cyber Security professional with 10 years of experience in Information Security & Assurance, Systems Architecture, IT Management, Software Development, Networking, and Virtualization. Adept at leveraging technical expertise to design and maintain robust systems, while also possessing excellent communication skills that allow me to make complex concepts accessible to diverse audiences. I am seeking a position that will allow me to contribute my extensive knowledge and strong leadership in Information Systems to drive innovation and security in a dynamic organization.

PROFESSIONAL EXPERIENCE

Lead Cyber Security Engineer

Applied Intuition

November 2023 - Present

Arlington, VA

- Acting as the head of Information Security/ISSM for Applied Intuition Government
- Focused on getting the organization compliant with DFARS 7012/NIST 800-171 to support defense work
- Supporting the organization as a SME in Information Assurance and risk management
- Continuously assessing risk and identifying IT weaknesses as well as designing/implementing mitigations

Lead Systems Engineer

CACI, Inc. (NSIS)

November 2021 - Present

Reston, VA

- Supporting the Integrated Broadcast System Network Services (IBS-NS) program as the lead systems engineer
- Performing requirements engineering, system analysis, system architecture/design, and system integration
- Providing expertise in Information Assurance and Security to ensure we are compliant with mandated security requirements (e.g. NIST 800-53)
- Working with a subset of developers as the lead systems engineer to design and build a proof of concept for a complete redesign of the system architecture (intended for cloud)
- Leading the migration from traditional/document-centric systems engineering to model-based systems engineering
- Responsible for leading key program events such as Systems Requirements Review (SRR), Preliminary Design Review (PDR), and Critical Design Review (CDR)

Consultant

Independent

January 2021 - December 2021

Ashburn, VA

- Provided information security expertise to a client to help them obtain compliance with DFARS 7019
- Performed an assessment and initial score, developed a plan for control implementation, authored a System Security Plan and several policies, and provided guidance on how to achieve compliance (score of 110)
- Responsible for independently bringing their score from -105 to 36

Senior Cybersecurity Engineer

CACI, Inc. (NSIS)

March 2019 - November 2021

Herndon, VA

- Primarily supported a government contract that provides a system leveraging artificial intelligence and machine learning to automatically obfuscate documentation and other data types
- Responsible for designing, procuring, and implementing the infrastructure to support the system (3 deployments [development, test, and production]); each deployment of the system was contained in a 24U rack and consisted of a Palo Alto firewall, Cisco switch, 2x hypervisors (VMware), 1x backup server (Windows/Veeam Suite), 1x NetApp storage system, and 2x APC UPS units
- Responsible for information security management; performed periodic assessments, implemented STIGs, and managed vulnerabilities and patching
- Acted as lead for a company internal network move that would migrate our development and test systems to a DFARS 7019 compliant environment; coordinated the technical/physical migration, resolved open security controls (800-171), and contributed to the system security plan
- Responsible for systems integration and lead the developers through the phases of release testing
- Supported an R&D effort outside of my primary contract by providing expertise with virtualized networking to design and deploy a dynamic network using LXC containers and VXLAN interfaces; the purpose of this effort was to create a proof of concept for communications between CubeSats (satellites)

Senior Systems Engineer
InSequence, Inc.

September 2016 - March 2019
Herndon, VA

- Managed internal corporate and lab infrastructure, and provided support for internal R&D
- Assessed, re-designed, and implemented new infrastructure (corporate and lab environments) from the ground up to improve performance, reliability, and security posture; re-design included connecting a remote office with a site to site VPN and joining them to the corporate domain
- Designed and implemented a secure isolated virtualized environment to meet contract requirements and provide a place for development/testing
- Lead an internal project to become compliant with NIST 800-171 controls
- Authored and implemented policies and procedures across the business to improve security and efficiency
- Represented the company as a Tanium SME for both internal projects and customer contracts

Systems Engineer
NJVC, LLC.

April 2016 - September 2016
Chantilly, VA

- Provided systems engineering support on an infrastructure service provider contract (government customer)
- Supported multiple (geographically separated) datacenters/sites by providing expertise in VMware, information security, and network engineering
- Assisted with the design and implementation of a local lab environment
- Performed R&D for improving performance, capability, and security; R&D included OpenStack, VMware integrated OpenStack, and VMware NSX

Security Engineer
Altamira Technologies Corporation

September 2014 - April 2016
McLean, VA

- Responsible for maintaining a virtualized environment to support unclassified cyber R&D; made improvements to increase performance, security, and capability, provided IT support and user management for the developers
- Contributed as an author to multiple white papers and proposals; topics included streaming data analytics, a secure client-side hypervisor, and Disruption Tolerant Networking for Space Operations (DTN)
- Implemented and maintained an OpenStack environment to support a development team, also acted as DevOps Administrator
- Provided support on a contract as the System Administrator to implement centralized authentication across multiple systems in a secure environment, implement STIGs, and verify control compliance
- Managed 4 interns in the companies Annapolis Junction, MD office

Cyber Intern
Altamira Technologies Corporation

June 2013 - September 2014
Annapolis Junction, MD

- Responsible for infrastructure design and implementation for a SCADA themed Capture the Flag challenge; the environment consisted of 22 hypervisors (VMware) and leveraged High Availability clustering, distributed switching, and virtual routers
- Contributed to the development of the CTF game platform
- Developed security challenges and vulnerabilities for the CTF
- Managed day of operations for the CTF and lead the deployment, testing, actual event, and cleanup
- Contributed to the development of an internally developed game based on streaming data analytics and represented the company at a booth during Shmoocon 2014

IT Intern
James V. Brown Library

August 2013 - April 2014
Williamsport, PA

- Provided support to the IT team as a network engineer to upgrade the network and improve the wireless deployment to support mesh
- Provided help desk support for internal systems
- Developed a plan to migrate legacy infrastructure into a virtualized environment (VMware)

EDUCATION

B.S. Information Assurance and Security
Minor in Risk Assessment

May, 2015
Pennsylvania College of Technology

CERTIFICATIONS

Security+

September, 2021