

Senior Cyber Security Solution Engineer

Forensic and Code Analysis
Security Architecture
Design Engineering
Cyber Security
Cryptography
Software Development
Life Cycle
Management
Problem-Solving

Extensive experience providing engineering and technical leadership in telecommunications and security architecture, design, implementation, and maintenance.

Skilled in security system analysis and guidance; providing insight at project creation, implementation, as well as routine review.

Adept at designing enterprise-tier systems to reach multiple compliance and security standards including NIST, NISPOM, the DoD, DCID, and NSA.

Proven capacity to work on high-level clearance projects and maintain confidentiality—holding TS/SCI clearance through 2007 and TS through 2009.

Talented in assessing network security and privacy concerns, as well as performing in-depth diagnosis of network issues with common industry tools.

CAREER ACCOMPLISHMENTS

- Developed multiple SharePoint sites for tracking, file submission, and data visualization for various government clients
- Drafted over 130 architectural solutions for in-and-out of department use across a variety of cloud providers (e.g. AWS, Azure)
- Received Authorization to Operate (ATO) for all Federal Aviation Administration (FAA) applications conducting 30 vulnerability assessments against NIST controls.

PROFESSIONAL EXPERIENCE

CEO Cyber Security Solutions | Fairfax, VA

2009 - Present

Supply expertise, recommendations, and pre-written policies on Cyber Security Policies, as well as document vulnerabilities found during system analysis. Managed client deliverables for quarterly FISMA reporting and security assessments at Department of Labor (DOL) /OSHA. Conduct Security Assessments for DOL agencies achieving multiple Tri-Annual Authorizations to Operate (ATOs). Built and implemented multiple Linux distributions (e.g. HP UX, RedHat Linux, Ubuntu Linux).

- Led team through the completion of 13 FAA aviation safety systems assessments.
- Contracted to develop web portal and dashboard for 18 DOL agencies to submit FISMA compliance results.
- Created a guidebook detailing integration risk analysis decision-making for the OCIO.
- Compiled documentation on various NIST-standard security assessments for OSHA Information System.
- Conducted over a hundred Security assessments/Security Audits.

Snowflake Inc.

2022 - Present

Cloud Security Compliance Engineer

Joined the Vulnerability Management team under the Global Security Compliance and Risk Division of Snowflake. The team performs Security compliance activities on all of Snowflake's offerings in AWS, AZURE, and Google Cloud, utilizing various security compliance tools like Tenable, Orca, and WIZ. Using these and other tools we ensure that Snowflake is compliant in all Secure Configuration Baselines for all three platforms AWS, AZURE and GCP, and that all VM/container Operating systems are also maintained in accordance with the appropriate CIS benchmarks. Additionally, we monitor compliance for all regulatory bodies such as SOX, HIPPA and PCI to name a few. We effect configuration change and Vulnerability Remediation through a Ticketing process to our engineering team partners.

Snowflake Inc./Contractor – Makosi Inc.

2020 - 2022

Cloud Security Engineer

Joined a team of cloud security engineers working on AWS, AZURE, and google cloud offerings. Utilizing cloud transformation and continuous integration/continuous deployment (CI/CD) pipeline tools such as Terraform and Jenkins, to develop secure cloud

solutions. Automating baseline security standards tools in the pipeline to ensure securely built images on AWS, Azure, and google for multiple operating systems including Linux, Microsoft, and MAC. Manage various projects from inception to inclusion.

Freddie Mac Inc./Contractor - Multivision Inc. (2017-2019) | McLean Virginia 2017 - 2020

Senior Security Solution Architect

Promoted from Senior Security Solution Architect Contractor at Multivision Inc., to a full-time position at Freddie Mac Inc. Oversaw multiple security solution architecture projects at varying stages. Wrote, designed, and maintained security solutions for Freddie Mac applications, systems, services, and on-site infrastructure, often integrating AWS, and Microsoft Azure cloud solutions to include PKI, SSL and other forms of cryptography integration in all developed security architectures. Maintained proper security coverage for all new architecture pursuits. Researched new technologies to integrate within the Freddie Mac policy framework. Advised baseline security configurations and non-functional requirements on newly-created projects.

- Researched and analyzed major security architectural risks to result in the upgrade of public key infrastructure.
- Supplied security guidance during implementation of Apigee API gateway service.
- Cloud application development, including working with Kubernetes, containers, dockers
- Cloud infrastructure management – management of Kubernetes, containers, cloud databases and applications

Metter Inc. | McLean, VA 2010 - 2012

Information Security and Assurance Architect and Engineer

Conducted research on FAA policies, NIST Federal guidelines, and Standard Operating Procedures to provide technical, policy, and DAA acceptance recommendations for closure. Lead technical group meetings and discussions to ensure effectiveness. Coordinated with systems owners in order to identify their system infrastructure and security posture. Carried-out regular Plan of Action and Milestone (POA&M) reviews. Provided excellent customer service when integrating security fixes into solutions.

- Contributed to the closing of 100s of risk issues throughout multiple company systems.

Additional experience as an Information Security and Assurance Architect and Engineer at Argotek, CENTRA Technology Inc., MITRE Corp, Trenchant Analytics LLC, an Information Assurance Engineer/Policy Analyst/Security Architect at Trinity Technology Group, and a Communications Technician for the US Air Force maintaining secret clearance.

TECHNICAL PROFICIENCIES

- Languages:** Java, Visual Basic .NET, Python, Linux/Unix Shell Code, scripting
- Operating Systems:** Linux (RedHat, Ubuntu, Kali), Windows, Cisco IOS
- Software:** Tenable.io, Tenable.sc, WIZ, ORCA, Encase, ArcSight, ForeScout CounterAct, Tenable Nessus, RSA Archer, WireShark, Niksun, Terrafoorm, Teleport. Kismet

EDUCATION AND CERTIFICATIONS

George Mason University | Fairfax, VA | on-hold
Doctorate in Information Technology, concentration in Information Security and Assurance
Coursework Completed:
Security Protocol Analysis, Secure Electronic Commerce, Models for Computer Security,
Topics in Computer Security, Security Laboratory, Software Req Analysis and Spc.

George Mason University | Fairfax, VA
Master of Science in Information Security and Assurance
Cook’s Institute of Electronic Engineering | Jackson, MS
Bachelor of Science in Electrical Engineering
McGraw-Hill National Radio Institute | Washington, DC
Professional Telecommunications Certificate

Certifications

AWS Certified Solution Architect Associate (in progress) | AWS Certified Solutions Architect (Professional) (in progress) |
AWS Certified Security – Specialty (in progress) |
Certified Information Systems Security Professional (CISSP), #31697 (2001) www.isc2.org |

Affiliations

ISC2
Information System Security Association – Northern Virginia Chapter
George Mason University Alumni Association