

Alexander F. McInerney

Baltimore, MD | 801.642.4944 | alexfmcinerney01@gmail.com | [LinkedIn](#)

NETWORK SECURITY ENGINEER

CONSULTIVE ● SOLUTION-FOCUSED ● RESULTS-DRIVEN

Highly experienced systems/network engineer with 20+ years specializing in intrusion detection, prevention, and secure network design for government agencies. Expertise in managing policies and enterprise solutions to assess and respond to breach events. Skilled at managing large-scale and highly secure data communication networks by implementing encryption protocols and role-based access controls for 250K+ devices.

SKILLS

Leadership | Customer Focused | Problem Solving | Strategic Thinking | Team Collaboration | Project Management | Training and Mentoring | Analytical Thinking | Regulatory Compliance | Requirement Gathering

EXPERIENCE

Cisco Inc. – Baltimore, MD

01/2017–02/2024

Provides control over who/what connects to the network, allowing customers to build safer, more resilient environments.

Engineer/Consultant

Responsibilities included installation, configuration, and optimization of Infoblox network devices. Submitted Requests for Enhancements (RFEs) to product engineers for code changes. Provided maintenance and new equipment quotes to customers.

- Migrated three separate networks from Microsoft-based DNS and DHCP services onto Infoblox appliances.
- Configured Response Policy Zones (RPZ) that fed forward-facing DNS services to implement necessary website access controls.
- Built and deployed appliance grids within each network infrastructure per best practice designs.
- Managed crucial software upgrades and device updates to mitigate published Information Assurance Vulnerability Alerts (IAVAs).

SECURITY CLEARANCE

★★★★★

Top Secret Information and Sensitive Compartmented Information with Lifestyle Polygraph based on a Periodic Reinvestigation completed 2012.

Centennial Solutions LLC – Baltimore, MD

12/2007–01/2017

Provides IT consulting services to government clients, specializing in cybersecurity and enterprise management.

Senior Systems Engineer

Supervised three technicians working with clients for migration scheduling and implementation. Configured and maintained security policies that directed client and server detection and response. Utilized McAfee and Windows security tools to monitor, evaluate, isolate, lockdown, and remediate 250,000+ devices worldwide.

- Deployed and troubleshot McAfee e-Policy Orchestrator (ePO) enterprise solution to enforce and monitor security policies for 3000+ end users.
- Managed configuration and breach-event response for McAfee's GroupShield email security application. Directed and collaborated with security engineers for quick reporting, assessment, and action plans.
- Evaluated, tested, and deployed McAfee's Host Based Security System (HBSS) enterprise modules to isolate and lock down individual clients upon security breaches.
- Planned and configured data communication networks with intrusion detection and encryption protocols. Rigorously scanned external data for malware and digital signature before integration. Implemented role-based access control (RBAC) mechanisms to restrict classified information.

- Managed regular configuration, collection, testing, and deployment of all Microsoft, third-party, and Information Assurance Vulnerability Management (IAVM) patches into infrastructure
- Accomplished migration of legacy domain infrastructures into current modern Active Directory domain model with minimal downtime.
- Leveraged System Center Operations Manager (SCOM) to monitor and manage IT infrastructure.
- Architected worldwide, government-critical Active Directory (AD) forest to safely communicate with external enclaves that filtered data into the main domain structure.
- Entrusted with dual role of Authorizing Official (AO) and Information Assurance Manager (IAM), responsible for approving and overseeing implementation of HBSS enterprise modules.

CFG, Inc. – Alexandria, VA

10/2003–11/2007

A leading provider of digital transformation IT solutions and services.

Multimedia Engineer

Maintained and repaired audio/visual systems associated with conference center and conference rooms, including re-routing and termination of audio/visual cables.

- Consult on future multimedia equipment design and procurement needs.

Scientific Systems Corp. – Towson, MD

12/2000–10/2003

American technology company that provides government services and information technology support.

Systems Administrator

Responsible for systems administration, Help Desk, and Tier III technical support. Set up, configured, and installed hardware such as servers, workstations, printers, and switched Ethernet and Asynchronous Transfer Mode (ATM) devices to build and maintain network infrastructures.

- Leveraged Systems Management Server (SMS) to administer, remote troubleshoot, and deploy software and updates to all endpoints on three separate networks.
- Set up and configured user access permissions on six Microsoft Terminal Servers to allow Sun Solaris users to remotely access Windows NT desktops and applications to enable remote help desk support.
- Led project and team to migrate 300 Sun users to Microsoft NT platforms to upgrade from Netscape to Microsoft Outlook mail services.
- Reconfigured and migrated workstations/servers to establish new secured network environment.
- Implemented Virtual Private Network (VPN) tunnels, improving Wide-Area Network (WAN) link bandwidth to accommodate remote users.

Systems Analyst and supervisory roles – (01/1982–12/2000)**TECHNICAL SKILLS**

Identity & Access Management (IAM) | Enterprise Network Security | Systems Administration | Vulnerability Testing & Management | Remote Software/Hardware Provisioning | Performance Testing | Cloud Security | McAfee Host based Security System (HBSS) | IP Address Management (IPAM) | Network Protocols | Intrusion Detection & Prevention (IDS/IPS) | Secure Network Design | Backup & Recovery

CERTIFICATIONS

CompTIA Security+ (ID #COMP003850383014) | Comp TIA | Exp 07/2025
McAfee HBSS Certified System Administrator | McAfee | 2021