

5th Ray Dot COM Consulting

Senior Cybersecurity Engineering & Education Consultant Liverpool, NY | Remote

January 2021 – Present (Concurrent)

Senior Cybersecurity Engineering Consultant
Liverpool, NY | Remote

Contact: ashley@5thray.com | www.5thray.com | 📞 +1(347)343-2161

Summary

- 14+ Years of Cyber Security & Network Security Engineering Experience.
- Subject matter expert (SME) in several areas of security including network security engineering, policy, standards, and architecture.
- Demonstrated history of integrity, pride in work, a drive for excellence, curiosity, adaptability, and effective communication.
- Well known for Incident Response, Troubleshooting & Problem-Solving.
- 14+ years of experience working remotely supporting enterprise infrastructure in both Pre and Post sales positions.
- Highly technical background which is command-line (CLI) intensive, as well as high-level design and customer interfacing experience.
- Bachelor's Degree from Syracuse University's iSchool, in Information, Management, and Technology
- Hands-on CLI configuration and administration experience including Cisco, Palo Alto, Fortinet, Juniper, Check Point.
- Experience with Kali Linux, Metasploit, Nessus and Nmap technologies.
- In depth knowledge and understanding of enterprise networking, protocols, route/switch, and firewalls.
- Experience interfacing directly with customers.

Skills

Cyber Security, Nmap, InfoSec, TCP/IP, IDS/IPS, Network Security, Splunk, SIEM, NGFW, Fortinet, Checkpoint, Juniper, Cisco, Palo Alto, Redhat Linux, UNIX, FortiAnalyzer, FortiManager, Panorama, SmartDashBoard, Tufin, AlgoSec

Certifications

CISSP (In-Progress) Expected Spring 2026

Interests

Pen Testing, Cyber Security, AI (ML & Big Data) Compliance, Consulting, Writing, Designing, Reading, Lifelong Learning

Extra-Curricular

Head Soccer Coach
Yoga Teacher

Professional Experience

RAYTHEON TECHNOLOGIES (RTX)

Manager, Cyber Defense (P4)

Remote

January 2021 – Present

At RTX, I am a Lead Security Engineer (P4) responsible for providing senior level technical support to enterprise-wide cyber defense analysts to and to resolve cyber defense incidents. I managed a portion of the Cyber Security Engineering Team, overseeing their work, and engaging with stakeholders outside our immediate group. I performed analyses of log files from a variety of sources (e.g., individual host logs, network traffic logs, firewall logs, and intrusion detection system

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[IDS] logs) to identify possible threats to network security. I also lead several projects including the enterprise wide migration from Fortigate to Palo Alto.

- Reducing Backlog (SNOW Incidents & RITM Queues)
- Investigated, responded to, and analyzed cyber incidents within the environment.
- Project Management
 - Palo Alto Migration
 - Fortinet Firmware Upgrades
- Maintenance of current security levels while working with Compliance Team
- Change Management
- Architecture Design (Micro/Macro Seg)

VERIZON

Lead Network Security Engineer

Remote | Syracuse, NY

November 2019 – December 2020

Responsible for the daily Operation and maintenance of network and security infrastructure within the region. Providing Move/Add/Change and 24x7 break/fix support for Cisco routers, switches and Check Point firewalls.

- Utilized skill of high technical independence with networking infrastructure, design & troubleshooting concepts.
- Performed Day to day Check Point Firewall administration / Policy management and design and management of security network environments.
- Performed as Subject Matter Expert (SME) for all Fortinet Firewalls.
- Communicated directly with End-Users and Firewall Champions to remediate Tufin Request Escalations.
- Troubleshoot Tufin requests using FortiAnalyzer Log View during Second-Shift Validation Stage.
- Staged Tufin requests on FortiManager ADOM/VDOM(s).
- Utilized AlgoSec automation tool to support and troubleshoot/analyze workflow process.
- Managed, engineering, reviewing, and coordinating implementation of firewall rule changes via AlgoSec.

ANNESE, A CONVERGEONE COMPANY

Solution Architect, Mobility & Security

Remote | Syracuse, NY

April 2018 – May 2019

Utilized in-depth knowledge across multiple domains of the security arena, including security consulting/advisory services, vulnerability assessments, pen testing, security architecture, and policy development. Applied deep technology and process knowledge in order to provide solutions to customer's technical business problems.

- Guiding and supporting customers and System Engineers (SE) on Next Generation Firewall (NGFW) suite product selection and implementation. Vendors include: Cisco (Firepower), Palo Alto, Fortigate, and Check Point.
- Responding to RFP proposals focused on cybersecurity.
- Conducting Proof-of-Value POV/POCs directly with customers in order to better represent the products and close the deal; matched with a highly technical skillset.
- Utilizing CRM tool to maintain opportunities status and documentation.
- Managing a Pre-Sales Enterprise Security Architecture Process for clients, providing solutions for NAC such as Cisco ISE, IDS/IPS such as Cisco's Snort system, and 2FA, such as DUO.
- Acted as the security Subject Matter Expert (SME) for Project Managers, Systems Engineers, Account Managers and Customers.
- Architecting solutions requiring HIPAA, GLBA, Sarbanes-Oxley, ISO27002 Security Framework, SAS 70 & SSAE 16, SOC 2 or SOC 3 compliance.
- Identifying and documenting client's architectural principles and current security posture, performing gap analysis and developing blueprint/roadmaps to clients desired future state.
- Provided guidance, instruction and mentoring to Systems Engineers on the worksite or on the project.

AT&T

Network Security Engineer

Remote

January 2017 – December 2017

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Responsibilities while working as a Lead Network Security Engineer for AT&T involved the support and execution of firewall policies. Served as a SOC Team Lead who was responsible for day-to-day firewall management and support, as well as mentoring junior Security Engineers and other internal AT&T teams on technical firewall Expertise. Specific duties included:

- Subject Matter Expert (SME) for all Extranet Check Point vendor facing firewalls.
- Conducting reviews of existing Check Point infrastructure and security policy and delivering product best practice recommendations
- I.E, High Availability (HA) utilizing CLuster XL technology and it's benefits (The Why)
- Configuring, troubleshooting, and maintaining enterprise Check Point firewalls
- Reviewing Check Point performance via the rule base against policy control
- Analyzing Check Point VPN tunnels to review traffic for customers and interpreting said traffic
- Managed Check Point rule migrations, firewall administration and deployment
- Monitoring and maintaining an array of Firewalls:
- Cisco, Juniper NSM, Palo Alto, Fortinet, JunOS Space, Check Point.
- Solving all escalations quickly and efficiently using advanced troubleshooting techniques.
- Serving CSO Team in the area of Change Management by assisting with day-to-day EFORC ticket requests which required troubleshooting and rule modification.
- Assisting in troubleshooting connectivity through packet traces and firewall log analysis both via GUI and Command-Line (CLI).
- Creating and executing bulk object scripts (Check Point) for large requests with rapid turnaround time.
- Improving uptime by meeting and exceeding existing SLAs.

FRONTIER COMMUNICATIONS

Network Security Engineer

Remote | Rochester, NY
July 2015 - February 2016

Responsibilities as a Network Security Engineer at Frontier Communications included the support and implementation of firewall systems for Frontier's corporate data network. Worked as a Team Lead supporting the Network Security Team as well as the Networking team, to mentor other engineers on Technical Firewall Expertise. Installing, configuring and maintaining new equipment and software for Firewalls. Identifying security incidents, providing supporting information, and supporting the corporate data network through containment and remediation.

- Performed as Subject Matter Expert (SME) for all external Palo Alto vendor facing firewalls.
- Configured and managed Palo Alto, Check point, ASA, PIX, and Juniper NetScreen Firewalls.
- Developed standardized Methods of Procedure (MOPs).
- Ran assorted Nmap scans on various internal and external systems to investigate vulnerabilities and assist in remediation efforts.
- Worked from a ticket queue and analyzed Layer 3 packets for end-to-end network troubleshooting, as well as creating and modifying rule bases.
- Resolved escalations quickly leaving minimal downtime for customers and providing accurate details about their specific network and/or firewall related issues.

SYRACUSE UNIVERSITY

Teaching Assistant – Advanced Networking

Syracuse, NY
Fall 2015

Responsibilities as a Teaching Assistant were to assist IST452 students with Cisco Packet Tracer labs. Labs included routing protocols such as; OSPF, EIGRP, RIPv2, etc. Worked closely with the Head Instructor and fellow student TA(s) to create and maintain new and former networking labs. Personally payed attention to each student and helped him or her with their IST452 coursework, and future Networking goals.

- Assisted students in completing Cisco Certified Entry Networking Technician (CCENT) virtual labs using Cisco Packet Tracer.
- Planned lessons for students and prepared teaching modules for the Head Professor's assistance.
- Assisted students with labs and assisted head professor to improve existing labs and create new ones.
- Performed pre-lab network configurations for lab setup.
- Concisely answered networking-related questions in-depth.
- Helped grade lab assignments and quizzes.

Harris RF Communications

Network Engineer

Remote | Rochester, NY

February 2014 – January 2015

Network Engineer assigned to supporting the definition, design, implementation, and support of configurations of network and security platforms used within Harris based tactical and strategic network solutions. Systems involve Harris equipment and often include microwave, tactical radios, data, and/or custom design peripheral subsystems.

- Developed and designed complex and state-of-the-art radio and network system solutions from a choice of Harris product lines, to satisfy customer-specified requirements while maximizing profitability and minimizing risks to Harris.
- Worked with an extensive range of Cisco LAN and WAN Based products in order to design and develop customer systems.
- Designed complex IP-Based radio systems, including pre-and post-sales support, design, and implementation.
- Developed standard configuration templates that were consistently and efficiently deployed to tactical networks.
- Lead problems to resolution, as well as coordinated and facilitated activities with vendors, escalation support teams, and other teams within Harris.
- Provided proposal documents and drawings that effectively described the system solution being offered.

SAAB SENSIS CORPORATION

Remote | Network Engineer

Syracuse, NY

June 2012 – January 2014

Network Engineer assigned to supporting all existing and future network architectures, customer interfacing, and working closely with the Product and Program team(s) to ensure quality performance on multiple systems including the Advanced Surface Movement Guidance & Control Systems (ASMGCS) and Multilateration Dependent Surveillance (MDS) systems. Worked in technical roles on an array of projects all involving airport navigation tracking systems designed for air traffic controllers. Supported FAA, Air Traffic Systems, and DoD segments of the company.

- Configured and optimized network architectures using Microsoft Visio to meet system performance requirements.
- Standardized network LAN architecture among all systems deployed at SAAB Sensis.
- Conducted trade studies to evaluate alternative network designs to meet evolving requirements and making design recommendations.
- Managed Unix/Linux based boxes in order to complete network architecture framework and traffic flow.
- Collaborated with customers and co-workers to ensure smooth and reliable operation of software and systems for fulfilling business objectives and processes.
- Conducted research on software and systems products to justify recommendations and to support purchasing efforts.
- Developed detailed design definitions and specifications and assisted with implementation.
- Negotiated and interfaced directly with various customers during development and test event phases.
- Monitored and tested system performance; prepared and delivered system performance statistics and reports using various tools including Matlab, Sensor Data Analysis Tool (SDAT), and EITT.

Cisco Systems

CALO Lab Engineer

Boxborough, MA

Summer 2011

CALO lab engineer assigned to supporting TAC and AS engineering teams. Responsible for maintaining TAC & AS lab equipment as well as re-creating customer issues.

- Built and maintained networks in technical support labs, using Cisco equipment to re-create and solve customer problems.
- Responsible for network evaluations, troubleshooting a variety of network problems, and implementing various software and hardware upgrades.
- Handled the tasks of providing Level 3 technical support to resolve day-to-day network, computer, and peripheral equipment issues for production and test environments.
- Provided general lab infrastructure support, peer training, and mentored newer Co-Ops.

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