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<b>Position:</b>	Network Security Manager	<b>Type:</b>	Full Time
<b>Location:</b>	Kingston, NY	<b>Date Added:</b>	March 14, 2023

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## Position Summary

The Manager Network Security is part of Archtop Fiber's Network Operations group and will support our internal, access network, and core/edge network security needs. This position will work closely with the Director Network Operations and others in senior leadership to establish and maintain Archtop's network security. The Manager will perform advanced information security work providing direction and guidance in strategic operations and planning for the network security of Archtop's networks. Work involves the planning, developing, documenting, monitoring, and implementation of security measure to protect Archtop's systems and networks against unauthorized access, modifications, or disruptions.

## Responsibilities

- Oversees the development and implementation of security policies, standards, guidelines, and generally accepted industry practices which ensure compliance.
- Identify risk factors and develop response plans to address these risks. Perform regular vulnerability assessments and security audits.
- Oversee the enterprise, access, CPE, core, and edge networks to ensure network settings are secure and vulnerabilities are addressed in a timely manner.
- Monitor, create reports, and make recommendations based on customer traffic patterns and overall internet traffic flows by utilizing our carrier-class threat mitigation tools.
- Provide network security policy support and guidance for internal corporate IT/IS team.
- Work directly with external vendors to assess their security practices and develop solutions for any security issues found during testing, deployment, or on in service equipment.
- Create methods and procedures for disaster recovery, logging, and reporting.
- Recommend policy for responding to security incidents.
- Maintain knowledge of network hardware, software versions, and current trends in the network security industry.
- Participate in network planning and network deployment strategies development as it relates to network security.
- Assist and guide Network Technicians and Operations Engineers in the installation, configuration, turn up, and modification of network equipment.

- Participate in network planning and network deployment strategies.
- Support Service Provider threat mitigation platforms (DDoS), firewalls, and VPN appliances (IPSec).
- Be a continuous subject matter expert. Expected to be a go-to resource.
- Provide assistance as needed to other teams for implementation, troubleshooting, and resolution of network security issues.
- Participate in equipment/materials vendor selection and 3<sup>rd</sup> party A&E vendor selection and maintain strong relationships with Archtop's vendors.
- Act as an ambassador and promoter of Archtop Fiber and Archtop's products. Ensure a positive Company image by working closely with trusted partners, external customers, community leaders, regulatory groups, and others.
- Other related tasks as assigned.

## Qualifications

- "Can do" attitude and a desire to help others. Must foster a team environment approach and be willing to participate at all levels.
- 5+ years of progressive experience in network security operations.
- Four-year Computer Science degree or related field from an accredited college or university. Equivalent professional experience also considered.
- Advanced knowledge of and skills working with network hardware and software.
- Experience working with vulnerability management, investigating security incidents, and developing response plans.
- Comfortable working with all levels of internal management, external trusted partners, community stakeholders, and governmental officials.
- Ability to troubleshoot complex issues related to a service providers network.
- Knowledge of FTTx access equipment, ONT's, as well as home CPE (routers, extenders).
- Must have a strong focus on quality and network sustainability (99.999% up time).
- Thorough knowledge and experience with network access control methodologies including RADIUS, TACACS+, 802.1X, MAC and certificate authentication.
- The ability to work independently under minimal supervision – must be driven and be able to define work tasks based upon project goal and corporate objectives.
- Working knowledge and experience with various networking standards and protocols such as MPLS, DWDM, SONET, OSPF, EIGRP, ISIS, iBGP, eBGP Ethernet, VLAN tagging, spanning tree protocols, DNS, DHCP, NAT, CGN, HTTP, FQDN, SIP, MGCP, RTP, and others.

- Must have strong communications skills – verbal and written.
- Demonstrated ability to thrive in a team environment. This includes the willingness and desire to share information, work collaboratively, and help others – both inside and outside of the Network Operations group.

## **Compensation and Benefits**

Competitive salary and benefits package

## **How to Apply**

Interested applicants must submit a resume and cover letter (detailing how they meet our requirements and how this position aligns with their career goals) via email to [career@archtopfiber.com](mailto:career@archtopfiber.com).