arch top fiber™

Engineering & Technology Group

Network Operations Technician – IP & Transport

Position:	Network Operations Technician – IP & Transport	**Type:**	Full Time
Hiring Mgr:	Manager IP & Transport Operations	**Onsite Status:**	Onsite
Location:	Kingston, NY or Germantown, NY	**Date Added:**	Feb 7, 2024

Position Summary

The Network Operations Technician – IP & Transport is part of Archtop Fiber's Network Operations group and will support our IP, core, transport, peering, and access network needs. This position will work closely with the Manager IP & Transport Operations and others to establish and maintain Archtop's IP & Transport Network. The Network Operations Technician – IP & Transport is responsible for installing, operating, troubleshooting, and project managing the placement, testing, and maintenance of existing and emerging transport, data, voice, and other technologies for revenue generating products.

What you'll do:

- Research, analyze, and resolve complex transport, data, voice, and video network and hardware problems.
- Measure and optimize network core performance.
- Install, augment, and upgrade network and transport equipment in accordance with Network Engineering team direction.
- Maintain a thorough knowledge of Archtop's IP and Transport network to help predict the impact of changes or upgrades, keeping outages to a minimum, and performing upgrades in predefined maintenance windows.
- Work with other engineering/technical teams to ensure detailed designs are deployable, and able to be operated with minimal impacts to customers, and operating expenses.
- Provide technical guidance to others in the Network Operations group.
- Work with vendor partners to ensure engineering requirements are aligned with product/technology roadmaps.
- Generation and maintenance of network core documentation.
- Be a continuous subject matter expert. Expected to be a go-to resource.
- Provide assistance as needed to other teams for implementation, troubleshooting, and repair of network connections and customer deployments.
- Participate in equipment/materials vendor selection and maintain strong relationships with Archtop's vendors.

What you'll bring:

- 5 + years as a Network Technician, Field Engineer, or Network Operations Engineer in a service provider environment or large enterprise environment.
- Bachelor of Science degree in technical field from an accredited college or university is preferred. Equivalent professional experience also considered.
- Must be able to demonstrate and apply strong design knowledge and understanding of IP networks to complete network designs and augments.
- Experience with a broad understanding of optical theory, transport technologies, and the operation of optical transport systems. (Including OTN, DWDM, ROADM.)

- Thorough knowledge and experience with various networking standards and protocols such as MPLS, SR-MPLS, DWDM, OSPF, EIGRP, ISIS, iBGP, eBGP, Ethernet, VLAN tagging, spanning tree protocols, DNS, DHCP, NAT, CGN, HTTP, SIP, MGCP, RTP, QoS and others.
- Knowledge and experience with GPON/XGS-PON and passive optical network topologies. Experience with related provisioning methodologies is a plus.
- Knowledge and experience with SIP and other Voice over IP technologies. This includes but is not limited to SIP trunks, soft switch feature servers, trunk gateways, and session border controllers.
- 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.
- Experience and understanding of FTTH technologies is preferred.
- Applicants must be a US citizen.
- Maintain a valid state driver's license and safe driving record.

What we offer (acquisition specific):

- Competitive salary – range for this opportunity is $75k to $95k
- Heavily subsidized medical, dental, and vision
- Holidays, PTO, and Flexible work schedules
- 401(k) w/ generous match
- Employee Assistance Program (EAP)
- Life insurance, short- & long-term disability insurance
- Employee Referral Program
- Employee discount programs

Archtop Fiber is proud to be an Equal Opportunity Employer. We celebrate diversity and are committed to creating a welcoming and inclusive environment for all.

Please apply directly Careers@Archtopfiber.com