
Position: System Developer**Type:** Full Time**Location:** Kingston, NY**Date Added:** March 14, 2023

Position Summary

The Systems Developer is part of Archtop Fiber's Network Operations group and will support our Data Center Infrastructure needs. This position will work closely with the Manager Systems Operations and others to define functional requirements, customize, and maintain our equipment element management systems (EMS), network management systems (NMS), and related network operations systems through the use of API's, various northbound web services, and other related development methods.

Responsibilities

- Construct and implement APIs for EMS and NMS systems based on various business needs and requirements.
- Estimate time frames and scope of technical requirements of integration projects with 3rd party systems.
- Design and develop solutions for integration, migration, and upgrades of Archtop's service network systems.
- Assists in guiding technology/solution decisions NMS/EMS for integration projects.
- Support device provisioning and automation efforts.
- Develop custom network reports and related scripting.
- Configure network monitoring systems to automate alarm notification.
- Work with equipment vendors on integrations between EMS/NMS systems.
- 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.
- 2 - 5+ years as a Systems Engineer in a service provider environment or large enterprise environment. A Bachelor of Science degree in Engineering or Computer Science from an accredited college or university is preferred. Experience in network operations is a plus.
- Working knowledge of PHP, Python, XML, and JavaScript.
- Knowledge of integrating and implementing platforms through REST and other API automation frameworks.

- Understands database architecture and familiarity with SQL.
- Network programmability experience, including Model-driven Programmability: YANG models, NETCONF, RESTCONF, gRPC, gNMI, Python network automation, Software-defined Networking, Zero-touch Provisioning, App Hosting.
- DevOps and automation experience including automation frameworks, deploy and build frameworks including Docker, Kubernetes, Jenkins, or similar tools.
- Working knowledge and experience with various networking standards and protocols such as OSPF, ISIS, iBGP, Ethernet, VLAN tagging, spanning tree protocols, DNS, DHCP, NAT, CGN, HTTP, SIP, MGCP, RTP, QoS and others.
- 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.
- Experience with network monitoring and alarm notification systems such as SolarWinds.
- 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 Engineering & Technology 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.