Scope:

Reporting to the Network Operations Supervisor, the Network Administrator will be involved in projects which will have a focus on core networks supporting Fibre Optic Internet, Voice and Video. The successful incumbent will work on a team operating and maintaining our fibre optic network equipment, carrier voice platform and IPTV services.

Responsibilities:

- Implement changes on core networks, as required by network or product driven initiatives. Some of the technologies involved are GPON, BGP and MPLS.
- Provide tier 2 support to assist our helpdesk staff on more complicated issues.
- Maintain a 4 router BGP environment using Brocade BGP routers.
- Operate and maintain ISP related servers. DNS, DHCP, SMTP, Linux OSS Systems.
- Support other Network Operations team members in troubleshooting and restoration, root cause analysis. Participate in complex implementation activities as required by Network Operations.
- Provide regular project status and issues for escalation.
- Develop, execute and document the necessary testing requirements to evaluate the proposed designs and to validate the technology platform or systems, as well as any new software versions (laboratory, network verification, operational readiness).
- Must be willing to be part of an after hours on call rotation.
- Quickly shift priorities and adapt to changes to meet organizational and department requirements

Requirements:

- Degree/Diploma in Computer Science/Networking or equivalent work experience
- 5+ Years working on a Network Operations team.
- Excellent verbal and written English language skills required to be able to communicate directly with clients and team members.
- Working experience implementing a multi-homed, 4+ router eBGP/iBGP configuration with fault tolerance and load sharing.
- Demonstrated knowledge of incident management in a break/fix environment
- Experience managing multi-vendor networks in carrier class deployments including any of the following: Cisco (IOS, IOS-XE), Brocade Netiron, Calix, Ciena.
- Practical troubleshooting and break/fix experience in Ethernet, Fibre (single mode), OTDR, Power Meter and Light Source use.
- Demonstrated strong communication, documentation and organizational skills.
- Strong understanding of Incident Management, Change Management, Problem Management, Knowledge Management.
- Work Experience with all of the technologies below in a production environment:
  - L2 Switching, 802.1Q VLANs, QinQ, QoS (One of Ciena, Brocade or Cisco)
  - L3 routing including OSPF, BGP
  - MPLS and VPLS (Brocade or Cisco)
  - Network Security, specifically Cisco ASAs
  - IPSEC VPNs on Cisco ASA or Cisco routers
  - Network Monitoring Systems
- Competency to read, analyze, and interpret detailed technical manuals, diagrams and engineering documents.

Nice to have Experience:
- Hands on experience designing and building new Point of Presence (PoP Sites) or ISP Head Ends.
- Experience working on network systems at an ISP.
- Experience configuring and installing -48V DC Power Systems and associated monitoring components.
- Windows Server 2012/2016, Linux administration.
- Carrier level DHCP, DNS, PPPoE.
- ISP IPv6 rollout and management experience.
- Experience with implementing and managing a DDoS mitigation solution.

Please forward Cover letter and Resume to mhall@lakelandholding.com by June 22, 2018.