



Network Administrator/Central Office Tech

Allband is seeking an industry experienced ISP/Telco network administrator.

What we do: Allband Communications Cooperative is a fiber to the home and fixed wireless High-speed Internet and telephone provider whose mission is to provide reliable and reasonably priced access to unserved and under-served areas of rural Northern Michigan. We have excelled for over 15 years in bringing advanced communications to the most rural areas and rival the technologies of most urban locations in Michigan.

What we need: This position is critical to the success of the Cooperative. Responsible for overseeing the operational aspects of its core and distribution networks, planning the expansion of our network and technological advancement, and supporting the IT needs of the Allband team. Looking for a strong self-starter with an excellent work ethic, high level of personal accountability, goal-oriented, with attention to sound process, accuracy, and detail.

What our community offers: Have you ever dreamed of living where you vacation? Here, you can enjoy the pleasures hunting, camping, fishing, snowmobiling, ATV trails, and the lake life. Tired of a high cost of living? Do you want a safer and more community-orientated place to live, retire, and/or raise your family? Then this area is for you!

Skills Required:

- Knowledge of ISP/Telco products and services, engineering principles and practices.
- Knowledge of central office equipment.
- Knowledge of PC, Linux, Mac operating systems, hardware, and peripheral equipment.
- Skill in operating various office equipment such as personal computer, various software programs and telephone systems.
- Skill in problem solving and resolution.
- Skill in reading and interpreting technical documents and information including work orders, staking sheets, schematics, and specification manuals.
- Skill in oral and written communication.
- Skill in using network equipment such as routers, servers, switches, and modems.
- Skill in developing project plans.
- Skill in operating central office switching equipment.
- Ability to communicate with customers, co-workers, and various business contacts in a professional and courteous manner.
- Ability to organize and prioritize multiple work assignments.
- Ability to pay close attention to detail.
- Ability to work independently and make sound decisions using information at hand.
- Ability to evaluate, test, and repair sophisticated equipment.
- Ability to determine customer requirements and design networking solutions to meet customer needs.



Ability to work with the following vendors and technologies as they apply to Allband:

- Metaswitch VP3510 Soft switch, Metaview & Voicemail Servers Provisioning, Installation and Translations
- Calix CMS, E7 FTTH Platforms, Calix ODC-1000 Remotes and Fiber Panels
- Calix Premise Optical Network Terminals (ONT): Both outdoor and indoor models.
- Fixed Wireless: Cambium, Mimoso, Ericsson CBRS APs and UE's
- Ubiquiti PT-PT and PT-MP Technology
- Cisco 7609, AS5200, ASA5505
- T1/Fiber Multiplexers
- DS3 Multiplexers
- DSX Panels
- Symmetricom Bits Clock
- Single Mode SC-APC Patch Panels and Fiber Management
- PPPoE/DHCP Servers
- Radius Servers and Probes
- Video Surveillance Systems, Viewbiquity
- Home Automation Systems (currently using Z-Wave)
- Hosted Polycom IP phone systems
- C&D and Emerson Battery Rack Systems
- Central Office/Hut Heating and Cooling Equipment (HVAC)
- SIP Protocol
- FTP, SFTP, WinSCP, TFTP Protocol
- Customer Billing Record Management (soft switch and FTP uploads)
- Hosted and Local PBX Systems
- Central Office Equipment (COE) design, construction, and maintenance
- Residential and Commercial-grade wireless access points & Routers
- Mesh routers

Business Development Knowledge in the following areas:

- Middle Mile & Last Mile Fiber Network Design (FTTH/GPON)
- Residential & Business (IoT) Automation
- Must be able to manage, delegate, communicate with and assist various vendors who support Allband in the following areas:
 - Network Operations Center (NOC)
 - Network and physical plant engineering
 - PSTN/Ethernet Services and hosting
 - Billing / Accounting systems
 - Hosted services
 - IoT Automation Services
 - Vendor Support services

Education & Experience Requirements

A Bachelor's degree and or trade school education is preferred, but industry experience is acceptable. Minimum of 5 years of experience in the telecom and ISP industry.

Employment Details

- Position is either **part-time or full-time** depending on candidate. Non-exempt. May include overtime for revenue generating work if approved.
- Position is subject to an initial probationary period of three (3) months but is an at-will position.
- Position is subject to background and random drug testing. Both hair and fluid.
- Ability to obtain and maintain a valid driver's license.