Network Engineer

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Waldorf, MD - Email me on Indeed: indeed.com/r/d2faac14a9e56792

Obtain a position in the Network field where I can maximize my Network skills, Quality Assurance, and training experience. I'm a quick learner and I work hard to be the best engineer I can be in my position in order to complete my task. I look forward to advancing my career in the IT field.
Authorized to work in the US for any employer

WORK EXPERIENCE

Network Engineer

Time Warner Cable - November 2015 to January 2017

Experience with Multimedia over Coax cable and years of hands-on experience configuring and testing, diagnosing, troubleshooting modems.

• Experience with installing and testing Wireless LAN infrastructure Quality of Service (QoS) throughput with 2.4 and 5.0 ghz.

• Integrate communication architectures, topologies, hardware, software, transmission and signaling links and protocols into complete network configurations. Test Docsis 2.0 and 3.0 modems by updating the firmware and software. My test results were documented in test cases and presented to the supervisor for examine.

• As a test engineer, I Deployed wireless modem testing with my CPE on Casa, E6000 and Ubr 8 Cmts, such as D3.1 Qualification Testing, Upload and Download throughput speed test. Also troubleshoot any modem problem that was being tested on the CMTS.

• Vendor would provide new firmware for the Time Warner engineer to test. Testing also includes General Functionality such as cable modem connectivity to Time Warner Config file, Telenet access, Port Scan Blocking, Channel Bonding and for ipv 4/ ipv6 mode.

Radio Frequency (RF)/ Network Test Engineer

Time Warner Cable - Herndon, VA - January 2007 to 2017

RF Engineer Duties

Time Warner Cable - January 2007 to November 2015

* Perform Network Layer 1 installments of routers, switches, MM, SM fibers and Ethernet cables. Also troubleshoot bad fiber within the network Lab devices.

*Perform Network Layer 1 duties of assigning IP addresses to the Senior Engineers in the Lab. Also work with other engineers in Vlan configurations of switches. Support the Engineers by helping them place their Network devices into DSview so the engineers can access their devices through console management.

* Support the Cable Modem Engineers by provisioning CM's and troubleshooting any cable plant issues.

*Performs Radio Frequency Engineering assignments of moderate complexity such as planning/building an more diverse RF network system for easier modem testing for the engineers. RF patch panels and active ports were set up at the engineers desk for CM testing.

*Provides direct advisory support in the design, development of future video build-outs and testing of radio frequency (RF) components, circuits, and/or products such as frequency synthesizers, transmitters, and receivers.

*Supports project managers within own organization in various technical activities such as adding video in the QA Lab so set-top boxes could be tested by the engineers upon their request. Also help build new RF system and technical product development of any other Network Labs in the building or different departments pertaining to RF related issues.

*Receives general supervision from management as well as technical guidance and training from the more experienced Network Engineers pertaining to troubleshoot any CMT servers that needed repairing or modems.

*Strong written and verbal communication skills; Ability to work independently as well as in structured teams. Plan, develop and implement a process for insuring that all cabling in the RF area and all floor area in the RF area are kept clean and maintained. Build process documents and check it into VSS work related list describing the overall plan to maintain that area.

*Understanding of fiber optic network components such as transmitters, receivers, amplifiers, multiplexers, filters and couplers.
*Familiarity with modeling or characterization of fiber optic transmission impediments.
*Technical background in signal processing and related topics, such as probability and statistical analysis, signal detection and classification different RF signal to noise ratio (SNR) /ingress or egress noise or filter design;
* Plan and add new structure to the QA Lab testing plant by adding channel bonding at any CMTS. Provide a solution to monitor the overall wellness of the RF plants (Static, Dynamic, and Cytec Automated (CMTS and VoIP) as well as provide a methodology by which we can monitor overall cabling and insure that areas like the static patch panel and VoIP "wall" do not become unmanageable. Provide testers and lab personnel with a process to follow and adhere to in order to police and maintain a strict adherence to quality cabling.

Maintenance Technician

Comcast Communications - Waldorf, MD - 2003 to 2007

*Troubleshot and perform network analysis to repair connectivity for Digital Voice Over IP (VOIP) customers
*Configured and installed digital high-definition boxes and wireless modems with IP addresses
*Repaired county-wide network transmission system i.e. Forward and Return Distribution by balancing Radio Frequency(RF)levels at the fiber optic node and Mini Bridges (MB)amplifiers
*Troubleshot and repair problems with major cable and modem outages to include replacing amplifiers, fiber nodes

Quality Control Technician

Comcast Rebuild Team - 2000 to 2003

*Redesigned county distribution system by installing the proper amplifiers for connectivity
*Restored cable outages by replacing fuses in amplifiers, fiber node module, power supplies, and splicing cable.

EDUCATION

Associate Degree of Arts in Arts and Science in Arts and Science
College Of Southern Maryland
2003

Bachelor's Degree in Science
University of Maryland University College