

## NETWORK ENGINEER

### Essential Functions:

- Implement and maintain all routers, ATM switches, optical transports, terminal servers and hubs in a carrier class network.
- Design and test network changes and additions.
- Troubleshoot and analyze hardware and software.
- Provide information for documents related to protocol, architectural changes, technical documents for supporting staff and running journals.
- Design, scale, analyze and load-testing network bandwidth for all data services, telephony and all LAN/WAN/MAN Traffics.
- VoIP Troubleshooting, design and implementation.
- VoIP Native Architecture Design and Maintenance
- Implement, configure and maintain the network circuit redundancy via layer two switching and or layer three routing to minimize network downtime.

### Skills and Knowledge:

- Knowledge of network design, network architecture, protocols and network topology. Also network designing software, network monitoring tools, TCP/IP CISCO routers and switches (IOS, Routing Protocols, VLAN'S, VPNS, etc.).
- VoIP Protocol in-depth knowledge including SCCP, MGCP, SIP.
- PBX and general telephony knowledge
- Knowledge in TCP/IP implementation in Unix and MS Windows XP/2002/2003 Server/Workstation.
- Knowledge of related industry specifications and standards: IEEE, ANSI, UPT, Fiber, ATM, ISDN, Bridging, Switching, Frame Relay, Routing, Ethernet and Transport protocols.
- Vision ability: Close and peripheral vision and ability to adjust focus.

Bachelors Degree in Computer Science/ IS/MIS/ Computer Engineer/Electrical Engineer or equivalent CISCO CCNA preferred.