

NETWORK ENGINEER

Areas of Expertise

- Operating Systems: UNIX/Linux-RedHat, Backtrack, Ubuntu, Sun Solaris; Windows 2000/XP/7/Vista, MAC;
- Network Security : IPSec, Switch Security, Network Cryptography/Steganography, Firewalls, 802.11 Security(WEP, WPA WPA2, IPv6 Security
- Networking Protocols and Standards: TCP/IP, UDP, Switching (VLANs, STP and VTP), Routing Protocols (EIGRP, OSPF, RIP and BGP), WAN (Frame Relay, MPLS, IPSec VPNs), VoIP
- GSM architecture and functioning, 4G LTE Design and Integration/Troubleshooting
- Data Center Architecture and Networking and VM optimization placement
- Configuration/Troubleshoot, IP addressing, Subnetting, VLSM.
- Accomplishments:
- Cisco Certified Network Associate (CCNA) - CSC012312762
- Cisco Certified Network Professional (CCNP) - CSC012312762
- Telecommunications Network Management (Polytechnic Institute of New York University)

Accomplishments

- The NTFS file system was studied in detail and its technical features were explored in depth.
- Its advantages were compared over the old FAT(File Allocation Table) file system and how it overcomes the FAT's shortcomings.
- Orthogonal Frequency Division Multiplexing (OFDM) OFDM the most spectrally efficient modulation method discovered was studied in detail and it is practically adopted by all the new wireless technologies being used since it mitigates the severe problems of multipath propagation that causes massive data errors and loss of signal in the microwave and UHF spectrum MIMO technology (Multiple Input Multiple Output) was also studied in detail which uses multiple antennas at both transmitter and receiver to improve communication performance VM placement in a distributed cloud system - Optimization, Algorithm design, Traffic Modelling, Performance evaluation Various data centers architectures were studied in detail like Cisco Data Center Network (DCN) 2.5, Cisco DCN 3.0, VL2 (Virtual Layer 2) Data center network, Portland data center architecture.
- The goal of the project was to determine the techniques to manage data centers efficiently and to handle the dynamic nature of the incoming stream of VM requests which continuously arrives to the cloud provider infrastructure Various strategies were discussed to help the dynamic management of virtualized applications to allow live sessions to be moved transparently between servers.

Professional Experience

Aircell Network Engineer 09/2014 to Current

- ALU NSBs (New Site Builds), 1st and 2nd Carrier LTE integration for AT&T.
- The 4G LTE RAN Engineer responsible for providing technical operations support for the maintenance and operations of AT&T 4G LTE RAN network.
- Currently working on ALU 5620SAM, 9400NEM for UMTS and LTE 1C, 2C integration, site management, call tests, troubleshooting and post call KPI monitoring for site launch operations.
- Ensure base stations are operational (links are up, alarms clear, sites ready for RF teams, and live traffic).
- Expertise in providing the technical support to field technicians during the integration/troubleshooting of a cell site.
- Perform new site builds, Carrier addition/aggregations, Quality call and speed testing for LTE, VoLTE and PSAP call testing.
- Responsible for solving the issues real time and meeting the deadlines set by the customer for the project.

Altamira Network Engineer 08/2013 to 08/2014

- Experience in UMTS Ethernet to the cell site provisioning, UMTS NodeB integration, UMTS NodeB rehomes.
- Responsible for establishing IP connectivity between the MSN (Multi Service Nodes), MW ODUs and SIAD (Smart Integrated Access Devices) for numerous cell sites via various service provider networks- LEC (Local Exchange Carrier).
- Expertise on configuration of Ericsson and ALU Microwave Radios.
- Hands-on experience in provisioning and integration of MSNs, routers such as ALU 7750 SR, 7705 SAR, Cisco 2941.
- Configured and troubleshoot L3 protocols like OSPF and L2 protocols like VLANs.

Loop Mobile India Ltd NOC GSM Network Senior Executive 08/2008 to 08/2010

- Network monitoring, configuration management, Level 1,2 and 3 troubleshooting and escalation for Motorola, Huawei and ZTE OMC-R Network system, Performance management, KPI generation + DOT/TRAI report compilation and maintain database Analyzed Network statistics, KPIs (Key Performance Indicators), Network/GOS report and other system reports on daily and monthly basis and created database for BTS cell sites of all Equipment Vendors (Motorola, Huawei, ZTE) Configured and troubleshoot various Cisco Switches and Routers in the network Executed critical activities such as BTS's, BSC rehomings migrations, frequency plan download, carrier additions, frequency change, and neighbor optimization and software upgrade, database backup, audit for Motorola and Huawei in the network Telecom Industry Experience in Operations and Maintenance, Fault Rectification in Motorola, ZTE & Huawei BSC, BTS Network Honors - Got promoted as Senior Executive just in a year of joining; Awarded with Rising and Shining Star Category in my organization.

Education

Master of Science : Telecommunication Networks Polytechnic Institute of New York University , City , State GPA: GPA: 3.50

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Spring 2013 Polytechnic Institute of NYU
Affiliations

- Cisco
- ALU

Skills
backup, BGP, BSC, BTS, C, CCNA, Cisco Certified Network Associate, CCNP, Cisco, Cisco Certified, configuration management, Cryptography, database, EIGRP, Engineer, Ethernet, Firewalls, Frame Relay, GSM, IP, Linux, MAC, Access, Exchange, Windows 2000, Microwave, Motorola, MSN, Network Management, Network Security, Network, Networking, networks, Operating Systems, optimization, OSPF, Performance management, Protocols, Quality, real time, RedHat, RIP, Routers, Routing, Sun Solaris, statistics, Switch, Cisco Switches, TCP/IP, technical support, Telecom, Telecommunications, Troubleshoot, Troubleshooting, UMTS, UNIX, upgrade, Vista, VM, VoIP, WAN