

## Sample Network Engineering Resume

This sample network engineering resume will give you a quickstart on building an effective and optimized resume for your job application. Visitors can feel free to customize and edit our sample network engineering resume as per their requirement for job application. We hope that our sample network engineering resume will go a long way in portraying your abilities and skillsets efficiently.

### **OBJECTIVE:**

To obtain a challenging position as a Sr. Network Engineer

### **TECHNICAL SKILLS**

- Routers (Cisco GSR, 7500, 7000, 5300, 4000, 3000, 2600, 2500, Terminal Servers: 2511, 2509). Extreme Networks Switches (Black Diamonds and Summit 24)
- Cisco Switches (6500, 5000, 3500, 2900).
- Cisco Pix Firewalls (525, 520, 515, 506), VPN Concentrator 3000 series, Cisco IOS Firewall feature set (IOS 12.X).
- NetScreen Firewalls (NS-5XP, NS-5GT, NS-500)
- OC-12, OC-3, DS3, T-1, and ISDN PRI's and BRI's, Ethernet (Gigabit Ethernet, Fast Ethernet) FDDI, Token Ring.
- Routing Protocol (BGP4, OSPF, EIGRP, IGRP, RIP, IS-IS, NLSP), Routed Protocol (TCP/IP, IPX/SPX).
- Implemented QoS using FIFO, Weighted Fair Queuing, Priority Queuing, Custom Queuing, RSVP, RED, CAR.
- Implemented SNMP on devices to allow for network management
- Implementation of HP Openview Server for network management.
- Implemented traffic filters using Standard and Extended access-lists, Distribute-Lists, and Route Maps.
- Implementation of HSRP, DHCP, DNS, FTP, TFTP, MRTG.
- Punch Blocks, Tone Tracers, Repeaters, T-BERD, Modems, CSU/DSU's, Professional Modular Plug Crimper.
- Unix/Sun Solaris 8.0, Novell 4.X, Win 95/98, Win-NT 4.0, Win 2000 Prof., Win 2000 Server, MS Office, Lotus Notes, AutoCAD, PsPice, Tango,

### **WORK HISTORY:**

#### **D&D Consulting Albany, NY**

From 2/04-Present

Position: Network Engineer/Security

Running VPN Project Throughout the Five Boroughs of NY (OMRDD)

- Perform Site Surveys, and provide documentation for cable company
- Design the layout for cable Installations
- Configure, and Implement NetScreen NS-5XT

- Implement VPN connections using NetScreen NS-5GT and NS-500
- Perform Troubleshooting end-to-end between the two sites
- Provide training to staff at the customer location
- Maintain documents of work perform during the day

**FiberForge New York, NY**

From 4/01-01/2003

Position: Network Engineer

- Responsible for designing and implementation of customers network infrastructure
- Help negotiate hardware, software, and circuit contracts for customers
- Redesign customers office copper and fiber cable plant for scalability
- Configure and implement Remote Access Solution: VPN, ISDN dial up, Fractional T1
- Implement Cisco IOS Firewall IDS using 2600 series router
- Network Assessment and Documentation (including technical, operational, and economic assessment)
- Configure Cisco VPN 3000 Concentrator to allow VPN clients
- Implement CiscoSecure Access Control Server (ACS 3.0) for Tacacs+/ Radius
- Configure Pix to Pix, and Router to Router VPN
- Redistribution of routing protocols and Frame-Relay configuration
- Network Migration from RIP to OSPF
- Build and maintain Visio documentations for Clients
- Troubleshoot Windows 2000 Servers and streamlining the user policy.
- Managing User accounts using Active Directory
- Implementation of TCP/IP & related Sevices-DHCP/DNS/WINS

**NextVenue/Ibeam Broadcasting, New York, NY**

From 9/00-3/01

Position: Network Engineer

- Responsible for maintaining Ibeam infrastructure in NY, UK, and Tokyo
- Re-engineered BGP routing (Route Maps, AS-Path prepend, MED, Local Preference) to load balance traffic across multiple ISP's links
- Responsible for designing, implementing and troubleshooting temporary infrastructures for Live Webcasting Events

- Troubleshoot OC-3, DS3, DS1, and ISDN connectivity issues
- Responsible for integration of customers to Ibeam Network
- Negotiate service contract with circuit carriers
- Interface with various Telcos for circuit testing and turn up
- Responsible for designing, implementing and monitoring Ibeam customer Co-Location environment
- Configure Extreme Black Diamond Switches (layer 2, 3 and 4 switching)
- Design and implement security policies using ACL, PIX firewall (515, 520)and
- Provide intranet VPN solution using Cisco 2621 and IPSec Tunneling
- Configure f5 BIGIP to provide Load Balancing for server farm
- Upgrade Cisco Routers, Switches and Firewall (PIX) IOS using TFTP
- Members of a team that designed and built Ibeam Tier one infrastructure
- Configure Terminal Servers for out-of-band management
- Configure Traffic Shaping to optimize utilization on ATM Backbone
- Build and maintain Visio documentation database of network topology
- Help establish guidelines and standards for Change Procedures

**Structured Network Solutions, Jersey City, NJ**

From 3/99-9/00

Position: Student/Network Technician Consultant

- Configured Cisco Routers (2500, 3000, 4000) using RIP, IGRP, OSPF, EIGRP
- Configure Cisco Switches (5000, 3524, and 2900)
- Designed and implemented remote dial up solution for clients
- Installed and configured workstations for IP/IPX based LAN's
- Installed and configured DHCP Client/Server
- Implemented HP-Openview for network management
- Implemented Novell 4.0 and 4.11 Servers

**Phonograph Record Manufacturer, New York, NY**

From 04/98-11/98

Position: MIS (Payment Funds)

- Set up Novell Server 3.1

- Set up Window NT Server
- Creates user account on the Novell 3.1 server
- Run Backup three times a week
- Install Hardware: NICS, Hard Drive, and Modem
- Install Software: Windows 95/98, Lotus Notes, WordPerfect, Microsoft Office
- Service and Troubleshoot printers (laser, inkjet, dot matrix and fax machine)
- Configured workstations for IP/IPX based LAN's
- Purchase Hardware and Software from different vendors

**EDUCATION**

TCY TECHNOLOGY Inc.

Cisco Certified Internetwork Expert (CCIE Security-Lab)

STRUCTURED NETWORK INSTITUTE

Cisco Certified Network Professional (CCNP)

NEW YORK INSTITUTE OF TECHNOLOGY – New York, NY (1994-1998)

BT Degree: ELECTRICAL ENGINEERING TECHNOLOGY

TECHNICAL CAREER INSTITUTE – New York, NY (1991-1993)

AS Degree in ELECTRONICS ENGINEERING

NETCOM TECHNICAL SERVICES Inc.

Certified Novell Administrator (CNA)

**Professional Certification**

Cisco Certified Network Associates (CCNA)

Cisco Certified Network Professional (CCNP)

Cisco Certified Internetwork Expert (CCIE-Written)

Cisco Certified Internetwork Expert (Lab)

Cisco Security Specialist (CSS-1)

SUN Solaris UNIX Administration I/II

PC/LAN Technician & A+ Certification

Extensive use of DOS, Word, MS Works, Excel, Lotus 123, MS Access, MS Office 97, MS Outlook 98, Visio Professional

**HOBBIES / INTERESTS:**

Reading, Sport ( weight lifting and jogging), taking-on new challenges

Title:

Network  
Engineer

Primary Skills:

BGP, OSPF,  
EIGRP, RIP,  
LAN,WAN,  
Frame  
Relay,  
VLAN, STP,  
VTP

I am professional Network Engineer with 8 years of experience in ISP and Telecom environment.

I believe that you will find my qualifications quite satisfactory.

#### OBJECTIVE

Seeking a challenging position as Network Engineer, utilizing expertise in network design, implementation, security, and monitoring.

#### TECHNICAL SKILLS:

- OS: Cisco IOS, Linux / UNIX / Solaris, Windows NT / 2000 / XP
- Network Hardware: Cisco Routers/Switches/PIX Firewalls, SUN SPARCstation
- Routing Protocols: BGP, OSPF, EIGRP, RIP, ISIS
- VoIP: H323/SIP/MGCP, AS5300/AS5350/Cisco ATA/Cisco IP Phones
- LAN/WAN Technologies: Ethernet, Frame Relay, X.25, VLAN, E1/T1/DS1/DS3
- Security: PIX, Checkpoint, Access Lists, SSH, IPSEC, 3DES, RADIUS/TACACS
- Network Management: SNMP / DNS / BIND / SENDMAIL / Apache
- Scripting Languages: PERL/TCL/Shell/Expect

#### CERTIFICATION:

CCNA #10338507, CCNP #10338507, CCIE #10338507 Written.

#### PROFESSIONAL EXPERIENCE:

##### Present Network Engineer

January 2006 Mission Of Georgia at UN – New York, NY

Implementation and management of Cisco, UNIX network VPN and IP telephony. Monitor day to day performance. Control appropriate work of VoIP, security systems. Implements network management and automate system troubleshooting. Configure install and maintain Internetworking devices. Expert in configuration and troubleshooting complex Routing Protocols (EIGRP, OSPF, BGP). Analyzes complex network problems and coordinates resolutions. Develop work plans, migration plans, and conversion scripts needed to integrate proposed solutions.

November 2005 Senior Network Engineer / Chief System Administrator – Tbilisi, Georgia

June 2003 JSC Telenet - ISP

Implementation and management of Cisco, UNIX network on a daily basis for DSL/Wireless subscribers; Provide high level technical support, including identifying and resolving problems on Cisco supported products for e-Commerce infrastructure. Work with the data center planning groups, assisting with network capacity and high availability requirements.

Review all changes to network configuration for technical accuracy and impact and provide Multi-Protocol Network problem resolutions. Provide senior technical leadership, as required, for high severity problems. Maintain wireless access points Backhauls as required and provide continuing strategy and innovation opportunities.

Routing related tasks included providing Cisco router configuration and change management, providing technical support for Cisco Router configurations and installation for Customer. Configuring IP RIPv2, EIGRP, OSPF and BGP. Deploying QOS for Network. Configuring routing policy for BGP. Switching related tasks included implementing VLANS and configuring ISL trunk and 802.1Q on Fast-Ethernet channel between switches, Configuring CGMP, IGMP and PIM.

setting-up of ISP branch network VPN, DSL, and E1s; managing and monitoring of the WAN of Frame Relay, HDLC, X25 connections to multiple locations throughout the Europe via Telia, RosTelecom, GoldenTelecom utilizing Cisco 7200 VXR, 3745 with BGP; monitoring of Swift DLCI in Frame Relay for Banks; modifying of latest configuration to Telenet network devices such as Cisco switches, routers, PIX Firewalls; maintaining of the corporate infrastructure, which consists of redundant ISP connections;

November 2005 Senior Network Engineer / Senior System Administrator – Tbilisi, Georgia

March 2002 Georgian Telecom – largest telecommunications company in Georgia

providing Internet connectivity and technical responsibility for 24 hour to Corporate Customers; Designing and implementing of VPN and IP telephony (Cisco IP Phone 7940, 7960, Cisco ATA 186, Linksys PAP2) for commercial customers; setting-up and designing VoIP termination and origination with foreign companies, such as MCI, Telia, Belgacom and so on; monitoring day to day performance of VPN and VOIP; controlling appropriate work of security systems; managing Cisco routers, Cisco Catalysts Layer 3 switches, VoIP market based on AS5350 platform. Part-Time job before July 2003.

November 2005 Senior Network Engineer / Senior Security Administrator – Tbilisi, Georgia

May 2001 Aversi LTD – largest pharmaceutical company in the South-Caucasus region

Security administering network for more than 200 branches in Georgia; monitoring and controlling level access for branches. Part-Time Job.

July 2003 Senior Network Engineer / Chief Software Developer – Tbilisi, Georgia

March 2002 GreenNet - Cisco Premier Partner in Georgia

Technical management of corporate clients in Telco/ISP sector; Unix System Administration; Preparing complex plans such VPN/Security solutions; developing VoIP billing system; conducting trainings for the company's employees on the Cisco, CCNA and CCNP certifications. Design, develop and implement complex network solutions. Participate in and coordinate cable and wireless installations for various projects and initiatives. Coordinate remote access issues, including vendor access and lab Interface access as required. Perform configuration of wireless access points, wireless bridges and other wireless solutions.

March 2002 Network Engineer / Software Developer – Tbilisi, Georgia

November 1994 Georgian Telecom – largest telecommunications company in Georgia

Design and implemented Frame-relay network with ISDN backup on Cisco 3662 Series Routers. Install and configure Routers, Bridges, Terminal Servers and CSU/DSU's to support WAN links. Troubleshoot ISDN lines, troubleshoot TCP/IP and IPX problems, troubleshooting connectivity issues in multi protocol Ethernet. Redistribution of routing protocols and Frame-Relay configuration. Deploying and Configuring QOS on LAN WAN. Strong knowledge of various routing protocols including RIPv2, EIGRP, OSPF, & BGP4. Controlling and monitoring UNIX Servers; programming various applications for the company's web-page; managing Georgian Telecom's BIND domain name server, Sendmail and Web server.

March 2002 Head of Data Transfer Department – Tbilisi, Georgia

April 1998 JSC Infocom - ISP

UNIX network administration, Responsible for Configuring, Frame Relay, ISDN, X.25 network for remote access. Setting up VLANS and configuring ISL trunk on Fast-Ethernet channel between switches. Install and configure Routers, Bridges, Terminal Servers and CSU/DSU's for supporting Client's WAN links. Troubleshoot ISDN lines, troubleshoot TCP/IP and IPX problems. Redistribution routing protocols. Implemented SNMP on Cisco routes to allow for network management. Implemented traffic filters on Cisco routes using Standard and Extended access-list. Running billing system of the entire organization; administering Tbilisi and regional networks.

#### EDUCATION:

BS Georgia Tbilisi state University – Tbilisi, Georgia

Computer Science Department of Applied Mathematics and Computer Science

1994 1998 Teacher of Mathematics and Informatics

1983 - 1994 Mathematical School #42 – Tbilisi, Georgia

Certificate of Graduation and Diploma of high school

LANGUAGES: English, Russian, Georgian (native)

Certifications: CCNA,CCNP

Location: US-NY-New York

Date Posted: Mar-30-06

Resume of Candidate # 007

Note: To receive this Networking Professional's full resume with the personal information, please <mailto:john@tcytech.com>

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**OBJECTIVE:** Actively seeking stimulating position in a growing company where I can apply and improve upon my skills in **Network Engineering, design and implementation**, work with top-notch engineering and management team, and have the opportunity to contribute to all aspects of the business.

**EDUCATION:** **LONG ISLAND UNIVERSITY, Brooklyn, NY**  
**Bachelor candidate in Computer Science May 2002**

**CERTIFICATIONS:** **Cisco Certified Network Professional (CCNP)**

**SPECIAL SKILLS:**

- In-depth knowledge of all Cisco enterprise routing and switching platforms.
- Ability to effectively implement and troubleshoot multiple IP routing protocols: IGRP, EIGRP, OSPF, BGP, RIP.
- In-depth understanding of installation, troubleshooting and optimization of Telco circuit technology including point-to-point and meshed frame-relay, Dial-on-Demand, digital data/voice circuits (DS-0, DS-1, DS-3, ISDN, DSL, and Cable), CSU/DSU configuration and troubleshooting.
- Cisco Routers: 7500,7200,3600,2600
- Cisco Switches: 6500,5500, 3500, 2900, Pix Firewall.

**EXPERIENCE:**  
06/2000-Present

**Morgan Stanley/DCI/NQL, Brooklyn, NY**  
**Senior Network Engineer/Deploy**

- Manage multiple project and operational tasks concurrently.
- Troubleshoot, configure, install and upgrade Cisco routers and switches (75XX,72XX,26XX, 3500XL, 65XX).
- Designed and Implement new connection to Branch offices, Market Data and Internet Plant infrastructure using Nortel Passports and Cisco routers for Frame-Relay/ATM/Point-to-Point topology.

- Troubleshoot wan related problems including OSPF, EIGRP, BGP and RIP routing and design.
- Configured routers for OSPF, NAT, HSRP, multicast, ISDN backup, frame encryption, compression and traffic shaping.
- Troubleshoot, install and configure connections to Frame-Relay, Fractional T1, Point-to-Point T1, T3 and OC3 circuits.
- Install and configure PRI lines on 7500s to provide backup solution.
- Install and configure Access, Core and Distribution switches.
- Managed network IP allocations using QIP and DSDB.
- Provide second and third level support to Network Operations and team members.

#### **PROJECT EXPERIENCE:**

- Implemented "Internet Redesign" project. Consisted of multiple phases to migrate 7500 EDMZ/IDMZ routers to 6509 Catalyst Switches. Migrate all bastion hosts, local directors, CSS. Heavy manipulation of BGP attributes, using route-maps, access-lists, community, as-path list. Introduce Route-Science to achieve load balance b/w five ISPs.
- Implemented "IIG Integration". Connected IIG 6500s to 4506s on multiple main Morgan Stanley sites using EBGp neighboring with IIG and IBGP between internal nodes. Configure route-aggregation and route manipulation using communities, redistribute bgp routes in to ospf.
- Implemented Regional Branch offices upgrade, to increase bandwidth on Frame-Relay and Point-to-Point links including T1 and T3s. Migrate RIP and IGRP to OSPF and BGP routing protocols.
- Involved in implementation and design of a new Market Data infrastructure.
- Implemented Lan/Wan Nixsun probes regionally. Configured Nixsun probes for Point-to-Point T1, T3 and Ethernet. Configure spanning on LAN segments.

#### **New Line Cinema, New York, NY**

04/1999-06/2000

##### ***Lan/Wan Support Analyst***

- Provide hardware, software and network support to 600 plus users.
- Involved in implementation of BGP Multi-homed environment.
- Involved in implementation of Cisco PIX firewall.
- Configure and install Cisco routers, Paradyne CSU/DSUs, Firewall.
- Install and configured Shiva Dial-In Servers for dialing in access.
- Monitor wan utilization using MRTG and various network applications.
- Implement deployment and standardization of computer systems throughout the company.
- Install, configure and troubleshoot Windows NT Servers (Compaq 1600R).
- Install and Implement Trend Anti-Virus Server through out the company.
- Provide network connections for new workstations.

#### **Long Island University, HEOP Computer Lab, Brooklyn, NY**

07/1996- 04/1999

##### ***Network Administrator/Desktop support specialist***

- Provided computer hardware, software and network support to various offices.
- Installed, Configured and Managed Cisco 5000 Switched Lan environment.
- Connected PC and Macintosh computers to Ethernet network
- Configured TCP/IP setting on multiple computers to participate on the network.
- Repaired, assemble, and maintain multiple computers including network support printing and Internet settings.



- Installed, configure and maintain Windows NT and Web Servers on the live network.
- Managed and maintain User and Group Accounts on Windows NT Domain Servers.

**REFERENCES:**

Will be provided upon request.