

# Hardik Patel

## Data network engineer

Racine, WI - Email me on Indeed: [indeed.com/r/Hardik-Patel/3c84a92d5dc78f7f](https://www.indeed.com/r/Hardik-Patel/3c84a92d5dc78f7f)

- Network Engineer with 4+ years of experience in the industry, which includes expertise in the areas of routing and switching.
- Currently Working at SCJ as HCL Contractor.
- Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as EIGRP, BGP
- Implementation traffic filters on Cisco routes using Standard, extended Access list.
- Expert Level Knowledge about TCP/IP and OSI models.
- In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN/WAN architecture and good experience on IP services.
- In-depth knowledge and hands-on experience on IP Addressing, Sub netting, and ARP, reverse & proxy ARP, Ping Concepts.
- Experience with different Network Management Tools and Sniffers like SNMP, and Cisco works to support 24 x 7 Network Operation Center.
- Experience in Physical cabling, IP addressing & Subnetting with VLSM using QIP configuring and supporting TCP/IP, DNS, installing and configuring proxies.
- Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on Windows & Linux platforms in Development, Staging, Lab & Production Environments.
- Strong Experience in using various tools for management, analyzing, and troubleshooting, monitoring & process automation in Lab & Production environment.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP Ether channel, STP, RSTP and MST.
- Worked extensively in Monitoring and Troubleshooting DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
- Experience in designing MPLS VPN and QoS for architecture using Cisco multi-layer switches.
- Configuring BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks.
- Experience in configuring HSRP and redistribution between routing protocols troubleshooting them.
- Technical Knowledge on Cisco ASA 5500 series Routers.
- Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy.
- Expert knowledge of cable connectors and replacement as RJ-11, RJ-45, V.35, RS-449.
- Excellent communication skills to interact with team members and support personnel and also can act as a mentor to less experienced personnel.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Data network engineer

BGP, MPLS - Louisville, KY - June 2014 to March 2015

- Configured Cisco Switched using VLAN, VTP, STP, Ether Channel
- Currently major areas of interest is to achieve excellence in the area of specialization on CISCO Products Like Switches, Routers

CHI - Louisville KY From: JUNE 2014 - March2015

Data network engineer

Responsibilities:

- Configured Routing protocols such as RIP, OSPF, EIGRP, static routing and policy based routing.
- Team member of Configuration of Cisco 7206 router with VPN and Configuration of Catalyst switches.
- Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN.
- Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
- Configuration and troubleshooting link state protocols like OSPF in single area and multiple areas.
- Redesign of Internet connectivity infrastructure for meeting bandwidth requirements.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Providing Technical Support and solutions for Network Problems.
- Upgrading IOS, troubleshooting network outages.
- Participate in all technical aspects of LAN, WAN, VPN and security Internet Service projects including, short and long term planning, implementation, project management and operations support as required.
- Configured and trouble shoot cisco WAP, and cisco prime
- Having Data Center Design Experience, installing and Configuring Network Devices in a Data Center including patching the cables in the Patch Panel.
- Hands-on experience in the network management of circuits using MPLS network, performing configuration and provisioning management, fault management and performance monitoring

## **Network Engineer**

ATT - Redmond, WA - April 2013 to May 2014

Responsibilities:

- Involved in Configuring and implementing of Composite Network models consists of Cisco7600, 7200, 3800 series routers and Cisco 2950, 3500, 5000, 6500 Series switches.
- Configured networks using routing protocols such as RIP, OSPF, BGP and manipulated routing updates using route-map, distribute list and administrative distance for on-demand Infrastructure.
- Configured OSPF redistribution and authentication with type 3 LSA filtering and to prevent LSA flooding.
- Implementing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
- Provided redundancy in a multi homed Border Gateway Protocol (BGP) network by tunings AS-path.
- Implemented Hot Standby Router Protocol (HSRP)
- Implemented various OSPF scenarios on networks consisting of 7600 routers.
- Configured policy based routing for BGP for complex network systems.
- Configured Multiprotocol Label Switching (MPLS) VPN with Routing Information Protocol (RIP) on the customer's Site.
- Continually monitor, assess and improve network security, test and implement new security technologies.
- Tuned BGP internal and external peers with manipulation of attributes such as metric, origin and local Preference.
- Cisco Secure Access Control Server (ACS) for Windows to authenticate users that connects to a VPN 3000 Concentrator.
- Configured BPDU Guard, port-fast, uplink fast and other spanning tree features.
- Implementing NAT solution's on wan applications
- Responsible for day to day management of Cisco Devices, Traffic management and monitoring.
- Worked on Cisco Routers, Active /Passive Hubs, Switches, Cisco PIX Firewall, Nortel VPN Concentrators TCP/IP, NAT and Checkpoint ESX/GSX firewall.

## SKILLS

Cisco (4 years), MPLS (4 years), OSPF (4 years), Routing protocols (5 years), security (4 years)

## ADDITIONAL INFORMATION

### TECHNICAL SKILLS:

#### Networking Concepts:

OSI Model, TCP/IP, UDP, IPV4, IPV6, Sub netting,

#### Routing Protocols:

RIP, IGRP, EIGRP, OSPF, BGP, Static Routing

#### Infrastructure services:

DNS, ICMP, SNMP, ARP

#### Switch Technologies:

VLANs, VTP, MPLS, ISL and dot1q

#### WAN Technologies:

Frame Relay, PPP, MPLS, ISP

#### Security:

VPN, NAT/ PAT, access-lists

#### Firewall:

Cisco PIX, ASA, VPN Appliance

#### Load balancing:

F5

#### Operating Systems:

Microsoft Windows Server [...] Windows XP/Vista/7/8, LINUX

#### Other Technologies:

VISIO, VMware, GNS3, Microsoft Word, Excel, Oracle, Mango DB, HTML, JAVA scripting

#### Tools:

Net-brain, Net-Viz, CA Spectrum, Solar wind, E-health, SOI, Spectrum, NFA