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**Ravi Chand Chikoti**

# Summary:

* Certified Professionalin network **Implementation**, T**roubleshooting, engineering, Documenting,management& migration of large-scale enterprise networks.**
* Strong hands on experience in layer-3 Routing and layer-2 Switching. Dealt with Nexus models like 9K, 7K, 5K, 2K series, ASR 9k, GSR 12K and Cisco catalyst 6500, 4500, 3750, 2960x series switches
* Expertise in implementing L2 technologies including **VLAN’s, VTP, STP, RSTP, Trunking & Port Security**.
* Administration of HP Blade series C7000, Cisco UCS and Cisco Nexus 5000 with 2000 fabric extender.
* Worked on Port Groups on M Series Module and F Series Module for **Nexus 7K**
* Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS**
* Monitoring tools like**Solarwinds Orion, Cisco Works, HP Open view**
* Maintaining and updating inventory of all network hardware, Management and Monitoring by use of **SSH, Syslog, SNMP, NTP.**
* Knowledge in configuring and troubleshooting Cisco Wireless Networks: **LWAPP, WLC, WCS, Standalone APs, Roaming, Wireless Security Basics, IEEE 802.11 a/b/g,** RF spectrum characteristics.
* Great Knowledge of TCP/IP networking, IP subnetting and networking technologies
* Technical support for improvement, up-gradation & expansion of the network architecture
* Equally capable of working as a team member or a team leader as per the situation and its demands
* Proven capabilities in learning and working with emerging new technologies

# Technical Skills:

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| Routing Protocols | RIP v1 & v2, EIGRP, OSPF, BGP, VRRP, HSRP, GLBP,IOS-XR(ASR-9K) |
| LAN technologies | Ethernet/ Fast Ethernet/ Gigabit Ethernet networks, VLANS, VTP, STP, 802.1q, Cisco Nexus 5000 with fabric extender 2000 |
| technologies | Frame Relay, PPP, ATM, ISDN, PPP, MPLS; exposure to DS1, DS2, OC3, OC12, T1/T3, E1/E3 and leased lines. |
| WLAN Technology | 802.11 standards, Lightweight and Autonomous systems |
| Network Security | IPSec, VPN Configuration, VPN Concentrator, Arc Sight SIEM, PIX 506, 515, 525, 535; ASA 5505, 5510 Firewalls, NAT/PAT, IDS/IPS, Ethereal. |
| Infrastructure services | DHCP, DNS, SMTP, FTP, TFTP, POP3 |
| Communication Protocols | TCP/IP, IPv6, ARP, VLAN (802.1q, ATM), PPP, HTTP, SSH, Frame Relay, MPLS, 802.11, Wi-Fi, WiMAX, Bluetooth |
| Communication Concepts | VPN, Multicasting, CDMA, W-CDMA, GSM |
| Applications | MS Office, Lotus Notes, Outlook and Active Directory |
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# Educational Qualification:

* Bachelor of Technology in Computer Science in E.V.P Engineering Chennai, INDIA (2000-2004)
* Master of Information systems in Central Queensland University Sydney, AUSTRALIA (2005-2007)

# Professional Certifications:

* Cisco Certified Network Associate (**CCNA**)
* Cisco Certified Network Professional**(CCNP)**

(Routing, Switching, Troubleshooting)

**EXPERIENCE:**

**Client: North Carolina Department of Transportation (NCDOT) June 2015 - Present**

**Position**:**Sr Network Engineer**

**Responsibilities**:

* Migrating the Datacentre from **AVAYAto Cisco4500** and **Nexus 9K**
* Responsible for design and implement five FlexPod installations (**UCS/FI/Nexus 9K + NetApp**)
* Having Data Center Design Experience, installing and configuring Network Devices in the Data Center including patching the cables in the patch panel. Design and implemented network
* Performance monitoring of various applications and web services to maintain quality of service and network stability
* Support, monitor and manage the IP network, involved in troubleshooting of DNS,DHCP and other IP conflict problems
* IP Management and Administration which is been implemented and maintained
* Experience with Riverbed for WAN optimization
* Hands on experience with multiple vendor**Cisco**, **Avaya, Nortel and Riverbeds,**responsible for Optimization and troubleshooting the network in all the DMV sites.
* Troubleshooting & implementation experience of Vlan, **STP, MSTP, RSTP, PVST, 802.1Q, HSRP,VRRP, LACP, AAA, PAGP, RADIUS, MD5, VTP& SVI**.
* Experience in designing, documenting, deploying and supporting LAN and WAN network equipment, with distribution, core and data center LAN services
* Experience in testing Cisco routers, switches in laboratory scenarios and deploy on site for production
* Working with local IT personnel on troubleshooting, problem determination, diagnosis of performance issues, bandwidth issues, throughput traffic prioritization to improve overall application response time across WAN.
* Responsible for the secure development lifecycle environment form NX-OS to Application Centric Infrastructure (ACI) in Data center, implemented in the lab environment.
* Used Cisco ACI Fabric which is based on Cisco Nexus 9000 series switches and Cisco Application Virtual Switch (AVS)
* Worked closely with business management team to determine business process and right technology strategies to support business objectives.
* Conducting proof of Concept in the lab environment of WWT of various software Defined Networking (SDN) products including Cisco ACI, NSX
* Facility Access Control System is being taken care and managed according to the requirement

**Client: Halyard, AtlantaMar 2015 – May 2015**

**Position**: Sr. **Network Engineer**

**Responsibilities**:

* Involved in Providing Technical Support and solutions for Network Problems.
* Troubleshooting of complex LAN/WAN infrastructure that include routing protocols **EIGRP, OSPF & BGP**
* Performed IOS and Hardware upgrades on Core routers and field routers.
* Creating change Management for Router IOS upgrades and downgrades
* Providing daily network support for national wide area network consisting of MPLS, L3VPN and point-to point site
* Configuration of Fabric path and connectivity between **Nexus 5K and Nexus 7k,** Worked on various Nexus Products **Nexus 7010, Nexus 7009, Nexus 5548 and Nexus 2248**.
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of LAN/WAN networking systems.
* Creating change tickets according to the scheduled network changes and implementing the changes.
* Configuring ACL to allow only authorized users to access the server

**Client: Computershare Sydney June 2010 – Jan 2015**

**Position: Network Engineer**

# Responsibilities:

* Converting CatOS to Cisco IOS Config Conversion on distribution layer switches.
* Worked on **Aruba**Wireless LAN Implementation for 11n Infrastructure Across the Corporate Network.
* Experience in implementation of NAT solutions on WAN applications.
* Providing Network and Security Architecture and Operations support services for Windows 2000 based web, application and database servers
* Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols **EIGRP, OSPF**
* Racking, stacking, configuring and upgrading **Nexus** 2K, 5K and 7K.
* Configuring **ACL** to allow only authorized users to access the servers.
* Participated in on call support in troubleshooting the configuration and installation issues.
* Designed and built a prototype system to perform lightweight, real-time mapping of Internet paths between data centers and client hosts, using probabilistic databases and information theory.
* Knowledge in Password Recovery and trouble shooting of Cisco & Juniper device.

**Client: Q M Technologies SydneySep 2007 – June 2010**

**Position: Network Engineer**

**Responsibilities:**

* Involved in Configuring and implementing of Composite Network models consists of **Cisco**7600, 7200, 3800 series and **ASR9k, GSR 12K** routers and Cisco 2950, 3500, 5000, 6500 Series switches.
* Worked on **OSPF** using features like **TSA, SA, NSSA** and route summarization.
* Worked on networks with **WAN** protocols such as **MPLS, HDLC, PPP& Frame Relay**.
* Configured **BGP** load balancing and ensured stability of **BGP** peering interfaces.
* Involved in effective communication with vendors, peers and clients in resolution of problems.
* Monitor network performance accompanying company’s service level agreements (SLA) using Network management tools such as Cisco works and also provided necessary recommendations to improve network performance
* Created scripts that backed up a Linux server to a Windows 2003 server and administration menu
* Worked with cisco Meraki end-customers to troubleshoot networking issues across a wide range of products and topologies
* Creating change tickets according to the scheduled network changes and implementing the changes.