**** **Prudhvi**

**Email:** [**sales1@galaxy3cop.com**](mailto:sales1@galaxy3cop.com)

**Ph. No: 732-419-5182  
Sr. Network Engineer**

**PROFESSIONAL SUMMARY:**

* **Cisco certified Network Engineer** with **7 years** of experience in IP network design, Network integration, Routing, Switching, Data center, Firewall technologies, Deployment and troubleshooting of complex network systems.
* Expertise on cisco **IOS**, **Cisco IOS-XR**, **Cisco Cartos**, **Cisco NX-OS**.
* Finely tuned **analytical/critical** **thinking and debugging skills** with excellent **verbal** and **written communication skills.**
* Plan, build, deploy, and maintain **ACI data center lab** utilized by internal parties.
* Currently working on migration to **Cisco ACI** and Nexus **9K ,7K, 6K, 5K switching** in a fully fault-tolerant design model.
* Configured **ACLs** on multi-vendor firewalls for Internet Access requests for **servers, Protocol Handling, Object Grouping and NAT** Control using Object **NAT**.
* Experience in Configuring all **Palo Alto** Networks **Firewall models (PA-2k, PA-3k, PA-5k etc.)** as well as a **centralized management system** (Panorama) to manage large scale **firewall** deployments.
* Good Understanding of Multiple Contexts in **ASA firewalls** and implemented different failover mechanisms among **ASA firewalls.**
* Experience in Network Management Tools and sniffers like **SNMP**, **HP-Open view**, **Wireshark,** and **Cisco works** to support **24 x 7 Network Operation Center**.
* Experience in physical **cabling**, **IP addressing** and **Sub-netting** with **VLSM**, **configuring** and supporting **TCP/IP, DNS, installing and configuring proxies**.
* Good knowledge of **CISCO NEXUS** **data center infrastructure** with **5000** and **7000 series switches includes** **(5548, 7010)** including **CISCO NEXUS Fabric Extender (2232, 2248**).
* Worked with multiple models of **cisco ASA** including **5520, 5515-X, 5580** in single context and multiple context mode and configured them in **Routed** and **Transparent mode**.
* Worked on **Cisco 7200, 3800, 3600, 2900, 2800, 2600, 1800 series Router and Cisco 2900, 3500, 4500, 5500, 6500 series switches.**
* Knowledge of NGDC. (Spine-leaf architectures).
* Worked across DEV, QA, UAT, PROD systems in addition to managing requests and tickets for IT process management through Remedy ticketing tool Launched LAMP stacks in multitier AWS instances in different subnets in Amazon VPC, attached ACL's and Security Groups to maintain high security.
* Created Terra form modules for two tier Architecture which includes AWS resources VPC, Subnets, Security groups, Ec2, Load Balancers, Auto scaling group, Cloud watch Alarms, ECS clusters, S3 buckets for logs.
* Strong in **SD-WAN and DMVPN** experience.
* Highly enthusiastic, **creative team player, project implementation, analytical, interpersonal and communication skills.**
* Have worked on **ASR** 1002 **series Routers**, **Cisco Catalyst** **series** **6500, 4500, 3750, 2950 and 3500** **switches**.
* Access control server configuration for **RADIUS** & **TACAS+**.
* Expertise with **802.11x wireless technology.**
* Experienced in working with **cisco switches 3850, CISCO 6880, Nexus 9k, 4500 access switches** for deploying as well as configuring it, and installation of malware detection **FireEye.**
* Monitor the network traffic through Orion **Solar Winds** and Spectrum **syslog server**.
* Implemented multiple **VDC's** and **VPC's** along the **9k, 7K and 5K, utilizing VRF's** to segregate **routing** and configuring the **FEX** **modules with the parent switch**.
* Enhanced level of experience with **OSPF, BGP, and TCP/IP.**
* Configuring and implementing **Remote Access VPN** Solution**: IPsec VPN, any connect VPN, SSL VPN**.
* Experience with the implementation of **multicast/MPLS/l2vpn.**
* Extensive hands-on experience with complex routed **LAN and WAN** networks, **routers, and switches.**
* Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on **Windows & Linux platforms in Development, Lab & Production Environments.**
* Worked on **webserver** in **DMZ** network configuring the **firewalls units**, added **virtual IPs**, **creating security policy.**
* Troubleshoot and Worked with Security issues related to **Cisco ASR 9K**, **Checkpoint, IDS/IPS and Juniper ASA firewalls.**
* Worked on **Checkpoint Firewalls**, create the **policies** and **push the policies** on checkpoint and as well as other firewalls like **Cisco** **ASA** and Fortinet **firewalls**.
* Configuring **ACL** on **ISE** for making **policies**.
* Experienced in Private (OpenStack), Public (Amazon **AWS)** cloud platforms.
* Experience to migrate the infrastructure on **Amazon Cloud Service – AWS**
* Software Design Data Center (SDDC) solutions such as **Cisco ACI**, VMware NSX.
* Support third party technologies within the **ACI ecosystem such as VMware ESX, Open Stack**.
* Create and deliver **ACI** training to **HTTPS** engineers globally.
* Implementing QOS and Content Filtering on Meraki.
* Implementing Layer 3 firewall rules and policies on Meraki.
* Running packet capture on Wireshark and Meraki to monitor the internet traffic flow.
* Responsible for configuring and managing **Arista**, **Cisco switches**, including new build configurations, maintaining current configuration, and adding new connections.
* configuration and adding new connections/features.
* IP addressing and IP address scalability by configuring **NAT/PAT.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Cisco Routers** | Cisco ASR9k, 2500, 3600, 3700, 7200, ASR routers ASR 1k (1001, 1004, 106, 1013), ISR 4k, CRS-1 |
| **Cisco Catalyst Switches** | Catalyst 6500, 4000, 3550, 2900 |
| **Nexus Switches** | Cisco Catalyst: 6506, 6509, 4928, 4948, 4507,4510, 3750,3560, and 2960 Nexus 5548, 5596, 6000, 7009, 7018 |
| **IP Routing Protocols** | RIP v1/v2, OSPF, EIGRP, BGP, MPLS, VPLS, VTP, FTP, DNS, IPv4, IPv6, VSS, HSRP, ESRP, VRRP, ACL, NAT/PAT, TCP/IP, LACP, 802.1Q, ISL, SNMP, GLBP. |
| **Firewalls** | Palo-Alto, Cisco ASA 5500, |
| **Load Balancing** | Cisco ACE 4700 series, F5 LTM, F5 GTM |
| **Firewalls** | Palo-Alto, Juniper, Cisco ASA 5500, Cisco PIX 500, Check Point r60, checkpoint r65, Bluecoat |
| **IPSEC/VPN Configuration** | PIX to Router, Router to Router, PIX to VPN wildcard client, Router to VPN wildcard client, PIX to PIX, fully meshed configurations |
| **Wireless Technology** | Cisco AP, LWAP, Access Points, WLC, Aruba |
| **VoIP Devices** | Cisco IP phones, Cisco 5500, 6500 series controller, Avaya 3000, 6000, 7200 series Controllers |
| **Ticketing software** | Connect Wise, Remedy system, service-now. |
| **Networking monitoring tools** | Cisco Works, Cisco Prime 3.0, Solar winds, Riverbed, VM ware,  Net Flow, Wireshark, Packet Tracer, GNS3, Boson Netsim, TCP dumps, INFOBLOX, QIP, VISIO, Citrix, and IXIA, Netmri |
| **LAN technology** | Ethernet, Fast Ethernet, Gigabit Ethernet, 10Gigabit, Ethernet, Port Channel, VLANS, VTP, STP, RSTP, 802.1.Q |
| **Operating Systems** | Windows Server/8/7/Vista/XP, Nexus OS, Cisco IOS-XR, Linux, Unix (Mac OS) |
| **Microsoft Office** | Visio, Excel, PowerPoint, Word |
| **Scripting Automation** | Python |

**PROFESSIONAL EXPERIENCE:**

**Humana, KY MAY 2021 to present.**

**Senior Network Engineer**

**Responsibilities:**

* Responsible for network monitoring, troubleshooting, reporting and maintenance.
* Manage change requests Palo Alto firewalls/router access-lists for internal and external applications.
* Using Service Now for ITIL Based Service Management. (Incidents, Problem and Change Management).
* Creating automated scripts using python language and manual testing to enhance hardware performance.
* Troubleshooting the issues with connectivity within the server zones of the Data center (between application servers, database, and web servers).
* Plan, build, deploy, and maintain ACI data center lab utilized by internal parties.
* Create and deliver ACI training to HTTS engineers globally
* Configure & monitor Global Protect and Gateways to create IPSec and SSL VPN's Tunnels with Users & Customers on Palo Alto Firewall.
* Implement advanced Palo Alto Firewall features like URL filtering, User-ID, App-ID, Content-ID on both inbound and outbound traffic.
* Implementing **Multicast (PIM, IGMP, MSDP)** to various datacenter, campus & branch offices for providing **BlackRockTV** and other video streaming-based applications to users' desktops
* Enable file forwarding to Wildfire cloud through Content-ID implementation to identify new threats.
* Leveraged Palo Alto Network’s Wildfire inspection engine to prevent Zero-Day attacks.
* Blocking all the firewall ports that are not used for the legitimate business case by analyzing both user and server inbound and outbound traffic of the DMZ firewalls.
* Integrated multiple Nexus 9k switches to Nexus Fabric manager (GUI) a centralized management center at Headquarters to **configure Overlay VX-LAN broadcast domains, VRFs,** VPCs.
* Configured and Deployed 5506,5516,5525,5545 and 5555-X **Firepower** Threat defense with **IPS, IDS, AMP and URL filtering** and integrated with Firepower Management Center FMC for 2100, 4100 and 9300 series.
* Have migrated and deployed 3 ASA 5510 configurations into 3 **Next generation Firewalls** such as 2130 models using the **Cisco Migration Tool** and integrated for centralized management access and configured access-lists, NATs (dynamic and static) and S2S VPN tunnels.
* Migration of existing **IPSEC VPN** tunnels from pre-Shared key to Certificate Authority for purpose of scaling.
* Build **600+ Site-to-Site VPN tunnels** in the FMC devices such as FTD 2130 models with all **the Nodes, IKEv2 settings, IPsec settings and required info**.
* Deployed all the VPN tunnel firewalls and Validated by the Network team successfully without any Issues.
* Prepared the Documentation for Migration of firewalls from ASA into the FMC.
* Also prepared the documentation for building the existing Site-to-Site VPN tunnels in the FMC for future reference.
* Identify and resolve any false positive findings in assessment results.
* Worked on **CSM (Cisco Security Manager) and ASA firewalls 5510 and 5505 firewalls**.
* Implemented the necessary changes required for the running site-to-site VPN tunnels in CSM which include NATs, ACLs, and related info.
* In depth experience in TCP/IP, LAN/WAN, **SDN (software Defined Networks)** technologies including reliable trouble shooting techniques.
* Designed multi-site ACI SDN networking solution for cloud environment
* Designed/implemented remote site Palo Alto, Riverbed, and Brocade switches, Meraki Firewalls
* Demonstrated proficiency in network administration in large datacenter environment – DNS/DHCP, Firewalls (Cisco Systems, Juniper Networks), IDS/IPS, IPSEC VPN).
* Migrating **VPN and MPLS remote sites to SD-WAN (Meraki).**
* Recently refreshed data center access layer with **Nexus 9k** to prepare the infrastructure for future SDA or **SD-WAN r**equirements.
* Provisioning **SD-WAN** service as automated failover solution for **MPLS VPN by Cisco Meraki Firewall.**
* Design WAN solution using the **AutoVPN** technology with **Cisco Meraki MX** security appliances including DC to DC failover and **SD-WAN** capabilities.
* Built and maintain overlay/underlay network regarding to new installation switches (Border Leaf, Access leaf and Spines).

**Evoke Technologies , India**  **April 2019 to Dec 2020**

**Sr. Network Security Engineer**

**Responsibilities**:

* Integration and investigating of non-conventional data correspondence frameworks (for example SCADA, Metasys, IoT, and so on.) into Laboratory infrastructure.
* Subject matter understanding of Wi-Fi.
* Actively involved in optimization of Wi-Fi, LTE and other CDMA networks.
* Worked on Infoblox for creating the DNS entries, A records and CNAMEs.
* **DNS Updates**/Removals/New Adds via Infoblox DNS Appliance.
* Working on patches and packages installation on Linux/Unix Environment.
* Responsible for all aspects of **TCP/IP** functionality across multiple **enterprise environments**.
* Troubleshot issues and outages on **Trunks and Router** interfaces and **firewalls extensively**.
* Planned resources and presented project status to higher management.
* Configured and played with various **BGP attributes** such as **Local Pref, MED, Extended Communities**.
* Designed and implemented **DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls**.
* To secure configurations of load balancing in **F5, SSL/VPN connections**, Troubleshooting CISCO ASA firewalls, and related network security measures.
* Wrote **IOS and CAT OS** upgrade procedures and **Pre/Post** checks for customer production upgrades.
* Actively participated in upgrading **fast Ethernet**, **Layer 3 switched/routed LAN** infrastructure from **Cisco 3640 to Cisco 2811 ISR routers and switche**s at access level to **2950, 3550**.
* Configuring **VLANS, VTP’s**, enabling trunks between **switches.**
* Configured **VLANs with 802.1q** tagging. Configured **Trunk groups**, **ether channels**, and **Spanning tree** for creating **Access/distribution and core** **layer switching** architecture.
* Assisted in network engineering efforts consistent with the infrastructure of an **Internet Service Provider** and support of such network services. Helped in designing and implementation of **VLAN** for the new users.
* Worked in the deployment of Cisco 6500 to Nexus in a **data center** environment.
* Configuring, upgrading, and verifying NX-OS operation system with EIGRP, BGP.
* Expertise in maintenance of layer 2 switching tasks which advocate **VLAN**, **VTP,** **STP**, **RSTP**, **PVST**, **RPVST**, configuring of ether channel with **LACP and PAGP** along with troubleshooting of **inter-VLAN routing.**
* Performing network **monitoring, providing** analysis using various tools like **Wire-Shark**, **Solar-winds** etc.
* Designed and implemented NAT overload/PAT on **Cisco ASA 5585** and 5520 Firewall to provide address translation between private addresses of the network and public address over the internet.
* Configuring rules and Maintaining **Palo Alto Firewalls** & Analysis of firewall logs using various tools.
* Regular meetings with project Manager and security team to discuss **Palo Alto** Weekly Status and updates on changes made on the **firewalls**.
* Deployed and managed company Firewall on **Cisco ASA 5585** to filter the incoming traffic. Used ASDM as well as CLI to configure and troubleshoot the firewalls.
* Experience with converting Checkpoint VPN rules over to the **Cisco ASA** solution. Migration with both Checkpoint and **Cisco ASA** VPN experience.
* Successfully installed **Palo Alto PA-3060 and -PA-5020 firewalls** to protect Data Center and provided L3 support for routers/switches/firewalls.
* Involved in the activity of Data Center migration of regular Cisco catalyst switches with the **new Nexus 2148, 2224T, 5548, 6018, 7010 using F3/M3 line-cards with 10GE & 40GE** interfaces and Supervisor 2E.
* Configure Virtual Servers, **Nodes, and load balancing Pools** in **F5 BigIP LTM**.
* Server load-balancing utilizing F5 LTM-BigIP, including, **AFM, APM** and **ASM** modules.
* Configured and deployed **BIG-IP LTM** 6900 for providing application **redundancy and load balancing**.
* Configured Session based persistence and **configuring iRules** for specific redirection purpose and **iRules** for persistence.
* Experience with converting Cisco **6500 IOS to Cisco Nexus NX-OS** in the data center environment.
* Supported core network consisting of **Cisco 7200** series routers running multi area **OSPF**.
* Created **MOPS (Method of procedures)** and sought the approval of peers to **perform configuration changes.**
* Creation of **change tickets** and implementing them according to the customer requirements.

**Environment:** Cisco 2948/3560/4500/3560/3750/3550/3500/2960, 6500 switches and Cisco 3640/12000/7200/ 3845/3600/2800 routers, Cisco Nexus 7K/5K, Cisco ASA 500, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, SD-WAN, VPN, HSRP, Cisco Meraki, Palo Alto, Bluecoat Proxy, Checkpoint, FireEye, FortiGate, Fortinet.

**PARAM Info IT Solutions , India Dec 2017 - March 2019**

**Network Engineer**

**Responsibilities**

* Build and support data networks comprised of Cisco core and edge devices.
* Maximized network performance by monitoring performance; troubleshooting network problems and outages; scheduling upgrades; collaborating with network architects on network optimization.
* Experience with implementation and support of the Cisco Nexus product line
* Implemented network security with Cisco Adaptive Security Appliance (ASA).
* Managed IP addressing and implemented IP Access Lists
* Managed VLANs, Port Security and troubleshoot LAN issues.
* Configured VTP to manage VLAN database throughout the network for Inter-VLAN Routing
* Supported EIGRP and BGP-based network by resolving level 2 &3 problems of internal teams & external customers of all locations.
* Performed switching technology administration including VLANs, Trunking, STP, RSTP, port aggregation & link negotiation.
* The configuration of Access List ACL (Std, Ext, Named) allows users all over the company to access different applications and block others.
* Worked extensively in configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
* Secured network system by establishing and enforcing policies; defining and monitoring access.
* Experience working with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for data center access architecture.
* Monitoring the NMS system for different Network Alerts.
* Understanding of SNMP or other Network device monitoring techniques
* Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the MPLS VPN networks.
* Reporting network operational status by gathering, prioritizing information; managing projects
* Configuration of Cisco ISE for the Network Device AAA access for TACACS+ and RADIUS
* Integrating ISE with external identity stores such as Windows AD, RSA SecurID.
* Configuration of Bluecoat ProxySG, Cisco ISE for device AAA Configuration.
* add in summary and in projects as well.
* Security Device - Palo Alto/ASA Firewalls, Sourcefire IPS/IDS, Cisco Identity Services Engine (ISE), VPN.
* Configured VLAN Trucking with Palo Alto interface.
* Access control server configuration for RADIUS & TACAS+ with ISE
* Cisco ISE to provide authentication and set up radius server and used for applying rules in TACAS.
* Cisco ISE to create design documentation, building ISE rules, implementing ISE solutions across a variety of networking and wireless environments.
* Configuration of Cisco ISE for the Network Device AAA access for TACACS+ and RADIUS
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* Cisco ISE to create design documentation, building ISE rules, implementing ISE solutions across a variety of networking and wireless environments.

**Environment**: Switches- Cisco 3750,3850,4500X, Nexus 5k and 2148 Fabric Extender, Cisco ISR Routers- 3800, 3900, 2951, 2821, Cisco ASR 1000, 7200 VXR

**Daxinsoft Technologies Pvt Ltd, India May 2016 – Nov 2017**

**Jr. Network Engineer**

**Responsibilities**:

* Worked on **Cisco** **Layer 2** **switches** (**spanning tree**, **VLAN**).
* Configured **HSRP** and **VLAN** **trucking 802.1Q**, **VLAN Routing** **on Catalyst 6500 switches**.
* **WAN** Infrastructure running **OSPF** & **BGP** as core **routing protocol**.
* Supported implementation of customer networks in data centers and cloud computing in hosted environment.
* Configuration and troubleshooting of **Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers**.
* Optimized performance of the **WAN**network consisting of **Cisco 3550/4500/6500 switches** by configuring **VLANs**.
* Design and configuring of **OSPF, BGP on Juniper Routers and SRX Firewalls**.
* Configuration **7609, 7606** with **OSPF** and **catalyst 6505, 4500, 3550 switches** with various **VLAN**.
* Configuration, migrations, upgrades of **F5** **BigIP LTM** 3400, 6400, 8900 running v4.x to 10.2.x, Active/Standby devices. Knowledge on configuration of iApps (BIG-IP) application service in implementing F5 load balancer.
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of **LAN/WAN** networking systems.
* Upgraded the data center network environment with **Cisco ASA 5520. Configured ACLs** on Cisco Switches as well as configured routers as terminal servers.
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's **ASA 5500.**
* Verifying a policy check for **errors** such as conflicting rules and contradicting **NAT** **rules**.
* Experience on Site-to-Site and Remote Site **VPN**s using Cisco routers to Cisco routers, **Cisco Router to Check Point Firewall** and troubleshoot and modify existing VPN.
* Understanding of **JUNOS** platform and worked with **IOS upgrade of Juniper devices**.
* Efficient at use of **Microsoft VISIO/Office** as technical documentation and **presentation tools.**
* Create and test Cisco router and switching operations using **OSPF routing protocol, ASA Firewalls**, and **MPLS switching** for stable **VPNs**.
* Configuration and support for **Active Directory, LAN, Windows 2003 servers, IIS, Exchange, VMware ESX server, Windows XP for 200+ users.**
* Experienced with **NOC environment and call center.**
* Monitoring Memory/CPU on various lower end routers in a network.
* Monitor performance of network and servers to identify potential problems and bottlenecks.
* Performed administrative support for **OSPF, BGP routing protocol.**
* Maintained redundancy on Cisco **2600, 2800 and 3600** routers with HSRP**.**
* Provided technical support on hardware and software related issues to remote production sites.
* Configuring routers and sending them to Technical Consultants for new site activations and gives online support at the time of activation.
* Troubleshoot, maintain and repairs network, desktops, laptops, and other computer devices. Install and maintain local area network hardware and software**.**
* Coordinate purchasing and installation of hardware and software for users.
* IT projects assigned by supervisors.
* Coordinates network schedule, backups, and downtime to users. Monitor and maintain network/system stability.

**Environment:** Cisco routers 7200, 3700 and Cisco switches 4900, 2900, LAN/WAN infrastructure, Cisco VPN, BGP, Cisco 3750/3550/3500/2960 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco ASA5510, Checkpoint, F5 LTM, F5 GTM, Palo Alto, Cisco Nexus7K/5K.

**CERTIFICATION:**

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