

NITIN CHAUHAN

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Portfolio Website:

https://insidescripted.github.io/nitin_index/

Github: <https://github.com/insidescripted>

Publications:

<https://ieeexplore.ieee.org/abstract/document/9182089>

EDUCATION

Sarawati Vidya Mandir, UK

SSC, 90% (9.4 CGPA)

Sarawati Vidya Mandir, UK

HSC, 85% (PCM)

SRM Institute of Science and

Technology, TN Batch: 2016-2020

B.Tech (ECE), 85.64% (8.24 CGPA)

SKILLS

HARD SKILLS

- Network Incident and Change Management
- Network Security
- Cloud Security
- Network Integration Management
- Network Automation

TECHNICAL SKILLS

- IP Data Layer 2 & 3 Networks (LAN/WAN), OSI Model, IPv4/ IPv6, FTP, SMTP
- TCP/IP, UDP, HTTP/HTTPS, DNS, DHCP, ARP, IP-SUBNETTING, SSL, TLS, DTLS, PPPoE
- NAT/PAT, CDP/LLDP, PPP/HDLC
- **Routing Protocols:** EIGRP, OSPF, BGP, MP-BGP, BFD
- ROUTE MAP, ACL, CoPP, SPAN, RSPAN, ERSPAN
- INTER-VLAN ROUTING, 802.1Q/ISL
- **Switching:** STP, RSTP, MSTP, STP PROTECTION, VLAN, DTP, VTP, HSRP, VRRP, GLBP
- ETHERNET CHANNEL L2&L3, PAGP, LACP
- IP MPLS-VPN Services, VRF, RSVP-TE, FRR
- **VPN:** GRE, DM-VPN, IPSEC
- IP-SLA, RMON, NetFlow, NTOP, QoS
- **Software Defined Networks:** Cisco & Viptela SD-WAN
- **Firewalls:** Cisco FTD, Cisco FMC, Cisco ASA, Cisco Firepower, Cisco NGFW Technology, Zscaler Cloud Firewall.
- **AAA:** ISE, Active Directory, TACACS+, RADIUS, Network Policy Server (NPS), User Agents
- Linux, Python, Bash, PowerShell, Azure, AWS
- **Working with Software:** PRTG (Network Monitoring Tool)
- SOLAR-PuTTY, CISCO PACKET TRACER, EVE-NG, GNS3, WIRESHARK, TCPDUMP, WinMTR, Fiddler, Zscaler Analyser, Packet Sender, VPN Access Manager, IIS
- Zscaler Client Connector, Zscaler Traffic Forwarding, & Authentication (SAML, Kerberos, HostedDB, AD, LDAP), Policy (URL Filtering, Cloud App Control, SSL Inspection, Bandwidth Control, DLP), IDS/IPS

NITIN CHAUHAN

Technical Consulting Engineer II-Security

- 4.5+ Years of work experience in Network Security, Cloud Security, Routing, and Switching. Open-minded to learning new technologies quickly and making meaningful contributions to the organization's and team's success.
- Knowledgeable and Qualified skilled at Configuring and Maintaining Enterprise Communication Networks. Adept at Monitoring Network Performance, Supporting Network Operations, and troubleshooting the most complex network issues.

EXPERIENCE

CISCO

Technical Consulting Engineer II-Security

- TAC-II Engineer, Supported Cisco Products and technologies such as Cisco FTD, Cisco FMC, Cisco ASA, Cisco Firepower, Cisco NGFW Technology, AAA, and Virtual Private Networks (VPN).
- Advocating solutions and services to customers in different technologies and platforms to expertly manage their networks.
- Responsible for providing proactive networking solutions to prominent service providers in the APJC region, and responsible for coordinating/driving customer technical issues with cross-functional teams TAC/BU/Engineering.
- Coordinated and executed the cutover to production and working on Cloud Platforms like AWS, and Azure.
- Coordinating with the business units and engineering teams to help improve the products by creating product enhancement bugs.
- Working with IFT (Internal Field Testing) team to identify bugs in the beta build to improve the overall products.
- Working with Cisco Premium Customers in the APJC region.
- Innovating new ideas and ways to secure networks better in upcoming security products from Cisco.
- **Skills:** Cisco FTD · Cisco FMC · Cisco ASA · AAA · ISE · Active Directory · TACACS+ · RADIUS · Network Policy Server (NPS) · User Agents · Virtual Private Network (VPN) · Network Troubleshooting · Network NGFW Firewalls

Bengaluru

02/2023 - Present

Zscaler

Product Solutions Engineer II

- TAC-II Engineer, Zscaler Cloud Security. Cloud IDS/IPS, Cloud DLP, Cloud Firewall, Secure Web Gateways, Zero Trust Network Access, and Secure Access Service Edge.
- Zscaler Client Connector, Zscaler Traffic Forwarding, and Authentication (SAML, Kerberos, HostedDB, AD, LDAP).
- Policy (URL Filtering, Cloud App Control, TLS/SSL Inspection, Bandwidth Control, DLP), Network Protocol Analyzers (tcpdump, Wireshark), VPNs, Firewall, IDS/IPS IIS Web Server administration.
- Expert knowledge of protocols such as HTTP, SMTP, FTP, DNS, etc
- Providing technical assistance by directly interacting with global customers who own Zscaler's Cloud Proxy Products.
- Troubleshooting complex network issues and engaging with multiple teams to provide an appropriate and speedy resolution to the customers.
- Supporting customers in product deployment/migration activities.
- Troubleshoot and resolved the GRE/IPSec Tunnel, Latency, Firewall, Data Centers, and reachability issues through Wireshark, Fiddler, WinMTR, Zscaler Analyser, Packet Sender, and VPN Access Manager. Analyse Customer logs through Jump Servers.
- **Skills:** Zscaler Cloud Security · Security Information and Event Management (SIEM) · Network Troubleshooting · Firewalls

Hyderabad

07/2022 - 02/2023

Orange

Network Development Engineer

- Responsible for network integration, implementation, and operations of small, mid-level & large enterprise architecture.
- Troubleshooting WAN link-related issues in MPLS Networks like Link Failure, configuration mismatches, Latency, and Packet drops.
- Responsible for establishing the connectivity between PE to CE by using various media types like PPP lease lines, Fast/Gigabit Ethernet, and Routing Protocols like BGP, RIP, and OSPF.
- Deploy SD-WAN controllers - with vManage, vSmart controllers, and the vBond.
- Edge devices (cEdge & vEdge) routing Configurations, Clean up the router configurations from PE & CE Routers.
- Onboarding cEdge & vEdge on vManage, configuring the Centralized policy & localized policy through vManage.
- Work closely with the Automation team to implement the PE & CE clean-up activity using XCONF.
- For complex changes liaise with the correct entity to get the change implemented in the agreed time as per SLA with the Customer.
- Scale systems sustainably through tools and automation, and evolve systems by driving change that improves reliability and velocity.
- **Skills:** Routing and Switching · Network Troubleshooting · SD-WAN · Multiprotocol Label Switching (MPLS)

Gurgaon

07/2021 - 07/2022

Wipro

Network Development Engineer

- Proactive monitoring of MPLS links and support end-to-end to customers to resolve the issues at the earliest.
- Configure, and verify Interswitch connectivity forms trunk ports, add and remove VLANs on a trunk, DTP, VTP (v1&v2), and 802.1Q, native VLAN.
- Responsible for backhaul readiness by configuring involved core/access network devices as per required service configuration, and providing remote support to FE for configuring the network devices.
- Configure, and verify VLANs (normal/extended range).
- Configure, and verify the inter-VLAN routing router on a stick, GRE, and IPSEC tunnel.
- Involved in operations activities by providing timely support to resolve the reported issues within a defined SLA. Worked on ticketing tool for incident, Request & Change management Tasks.
- Work with other team members to analyse requirements or potential problems and proactively develop solutions and policy recommendations.
- Handled 24x7 global network and telecom operations of our client Cairn Oil and Gas.
- Worked closely with different international ISPs like (OBS, BT, Colt, Sonema, AT&T etc.) for quicker resolutions of issues of WAN and MAN links.
- **Skills:** Network Troubleshooting · Network Operations Center (NOC) · Network Incident Management · Network Change Management · Routing and Switching

Gurugaon

09/2020 - 06/2021

SOFT SKILLS

- Strong Communication skills
- Troubleshooting
- Problem-Solving
- Customer Support and Escalations

LANGUAGES

- Hindi, English (Professional proficiency)

Coding Ninjas

Engineering Intern

New Delhi
03/2020 - 06/2020

- Assisted 80+ students in learning Data Structures, Algorithms, Cloud Security, Routing and Switching.
- Debugged codes and helped students with their assignments and projects.
- Took doubt sessions and resolved more than 1500+ doubts with a rating of 4.5+/5.

Career Development of Advanced Computing, CDAC

Mohali

Engineering Intern

06/2018 -

07/2018

- I have done my internship in microcontroller LPC2148 programming & Interfacing techniques at the Centre for the Development of Advanced Computing, Mohali.
- Worked on various interfacing techniques i.e., GSM, GPS, keypad, LCD.

IIT Roorkee

Roorkee

Engineering Inter

12/2017- 01/2018

- I have done my internship in the field of quantum computing at IIT-R held by the Global Initiative of Academic Networks (GIAN).
- Worked on Circuit Simulation and Implementations.

PUBLICATIONS

Modulation Classifier for Primary User Detection

IEEE,

07/2020

Neural Networks, MATLAB

- This is my first-ever Research Paper. The main purpose of implementing the Modulation Classification Algorithm is to identify the existence of a signal at a given location and time.
- This system will classify the type of modulation and hence detect the presence of the primary user for an efficient system.
- Modulation Classification can be applied as the vital principle in this article to identify the particular primary user radio type.
- Nobel method to classify incoming Network Signals

CERTIFICATIONS

Zscaler

- Zscaler Certified Cloud Administrator - Internet Access (ZCCA-IA)
- Zscaler Certified Cloud Professional - Internet Access (ZCCA-IA)
- Zscaler Certified Cloud Solution Architect (ZCSA)
- Zscaler Certified Cloud TAC Associate - Internet Access (ZCCA-IA)
- Zscaler Certified Deployment Specialist (ZCDS)
- ZCCA-IA Security Specialist (Security Essentials)
- Zscaler Zero Trust Architecture Standard (ZTAS-IA)
- Zscaler Zero Trust Certified Architect (ZTCA-IA)
- Zscaler Cloud Certified Administrator - Zscaler Digital Experience (ZCCA-ZDX)
- Zscaler Certified TAC Associate - Private Access (ZCTA-PA)

Fortinet

- NSE 1 Network Security Associate
- NSE 2 Network Security Associate
- NSE 3 Network Security Associate

Cisco

- Cisco Certified Network Associate Routing and Switching (CCNA-RS)
- Cisco Certified Network Professional Routing & Switching (CCNP-RS)
- Cisco Certified Inter Network Expert Routing and Switching (CCIE-RS)

Red Hat

- Red Hat Certified System Administrator - Linux 7 (Red Hat-RHCSA)