

**Kamal Kumar**  
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CERTIFIED

## Experience Summary

- 12+ Years' Experience in Network Design, Automation, Implementation & L3 troubleshooting / Support.
- Cisco CCIE Data Center, DevNet Associate, DevNet Specialist , VMware Certified VCP , F5 LTM Certified .
- Python & Ansible expertise for large scale network automation on Arista, Cisco, F5, Fortinet / Palo Alto devices .
- I am dedicated to lifelong continuous learning, known for my ability to quickly grasp and integrate new concepts, I am committed to staying abreast of industry advancements and swiftly adapting to emerging technologies to expand my knowledge base.

I specialize in designing, implementing, and supporting extensive networks through the utilization of devops tools. I possess expertise in JIRA, Ansible, Python, CI-CD, and various other devops tools, employing them for network automation across leading vendors' products. My current emphasis revolves around automation and programmability, with a primary focus on utilizing Ansible and Python for day-to-day network operations and deployment.

## Current Role Description

- Lead the development of Ansible playbooks for network deployment / changes and orchestrate manual network change activities, specializing in BGP and multicast configurations for low latency trading networks .
- Liaise with brokers for FIX connections and deploy these connections using Infra as code practices .
- Meticulously review pull requests, and drive continuous improvement initiatives for code quality mainly for build automation which is used for new data center rack builds .
- Craft and present change cases to the Change Advisory Board (CAB), ensuring effective oversight of change implementation and contributing to Root Cause Analysis (RCA) activities.
- SOP/MOP creation, constant upkeep of network documentation.
- Serve as a pivotal link between network operations and other infra teams, bringing advanced expertise in BGP, multicast, low-latency networks, market data feeds, demonstrating expertise in enhancing network performance.
- Showcase adept troubleshooting skills at HTTP and TCP protocol levels, conducting thorough packet analysis to ensure robust and reliable network for traders and portfolio managers .
- Take charge of migrating SNMP monitoring to Streaming Telemetry utilizing the TIG stack, with a specific emphasis on GNMI.
- Transition the entire Network Infrastructure to Infrastructure as Code (IaC), ensuring that all Business as Usual (BAU) activities are conducted through code to minimize manual interventions.
- Pursue certification for the Cisco Devnet expert exam.

## Experience

Total	12 Year(s),2 Month(s)
ExodusPoint Capital	3 Month(s)
Merrill Lynch / Bank Of America	1 Year
Salesforce	2 Year(s),2 Months
NTT/DD	2 Year(s),0 Month(s)
NCS	2 Year(s),5 Month(s)
Logicalis	1 Year
Sify - India	7 Month(s)
TCS - India	2 Year(s),5 Month(s)

## Education

Qualification Category	Qualification
Bachelor of Technology	B.Tech-Information Technology
SSC	SCHL
Standard Xii / H.S.C.	XII

## Professional Memberships / Certifications

Professional Certifications & Trainings & Skills	
CCIE Data Center – 49730, CCNA, CCNP, CCNP-Sec, CCDA, CCDP, DevNet- Associate & Specialist - Core	
VMware VCP 510, F5 101 & F5 201-TMOS Certified (LTM), JNCIA, JNCIS-SEC, BCNP, VCE-CIA	
Trainings ->	Lumos – Cisco ACI bootcamp for VXLAN , Nexus 9000 Series Switches in ACI Mode
	Designing and Implementing Cisco Network Programmability (NPDES)
	Housley -- Designing Cisco Data Center Unified Computing Infrastructure (DCIDUC) 6.0

**Skills** -> Arista AVD, Palo Alto Firewall, Netbox REST API, GraphQL, Git, Docker, Restconf, Netconf  
CI/CD pipeline, YANG module, gNMI dial-in, gRPC dial-out, Kubernetes.

## Major Project Experience Summary

<b>Company</b>	<b>Bank Of America</b>
<b>Period</b>	Sept 2022 - Aug 2023
<b>Role</b>	VP-Technology Operations (SRE)
<b>Description</b>	Develop network automation solutions and manage network escalations . Define automation vision & strategy. Develop scripts for ad-hoc tasks .
<b>Skills</b>	Routing/ Switching , Arista AVD/CVP, Python , Ansible , Linux , BGP , OSPF , ISE/AAA , Jira , Netbox/nautobot, Sevone, Splunk, HPNA

<b>Company</b>	<b>Salesforce Cloud</b>
<b>Period</b>	June 2020 – Sept 2022
<b>Role</b>	Network Engineering Senior
<b>Description</b>	Develop Network automation solutions (Python & Ansible) and RTB tasks on Switches, routers , F5 . Code Reviews . Device upgrades and config management using Ansible .
<b>Skills</b>	Ansible, BGP, CI/CD, Docker, F5 LTM, Git, Jenkins, Linux, N9K (Cisco Nexus 9K), OSPF, Python

<b>Company</b>	<b>NTT/DD</b>
<b>Period</b>	Dec 2017 – June 2020
<b>Role</b>	Technical Consultant
<b>Description</b>	Design and HLD/LLD creation for various projects <ul style="list-style-type: none"> <li>• Chubb Limited – Cisco ACI Multi-Site Upgrade</li> <li>• DBS Bank – SDA Design , IDC Migration</li> <li>• OCBC Bank – Cloud CAS Design, UAT Lab Design</li> <li>• Boehringer Ingelheim – DC ACI Design</li> <li>• Sony – Network Assurance - DNAC</li> <li>• Singapore Airlines – ACI Migration</li> <li>• SLA – Campus Design/Migration</li> </ul>
<b>Skills</b>	Cisco ACI, N9K, MSC, DNAC, BGP, VPC, AWS, SD-Access, Cat 9500, WLC, ISE 2.4, 6500, 4500

<b>Company</b>	<b>NCS</b>
<b>Period</b>	June 2015 – Nov 2017
<b>Role</b>	Senior Network Engineer
<b>Description</b>	Design and implementation for various projects <ul style="list-style-type: none"> <li>• National Library Board - ACI DC Migration</li> <li>• Dassault Group 3D - DC Design on N9K &amp; UCS B Series</li> <li>• HPB / MOH / HSA - MediNet GDC2 Migration</li> <li>• RHB Bank – Wireless &amp; ISE Implementation</li> <li>• JLL – Design &amp; Migration of Sydney DC</li> <li>• SMRT - Campus Network refresh</li> <li>• Seagate - Network Expansion</li> <li>• LTA - Core Network migration</li> <li>• Micron - Nexus Fabric Path Migration</li> <li>• Lafarge Holcim NW Integration</li> <li>• IDA - NAC Dot1x Migration</li> <li>• Singtel Optus - BCC DC Design</li> </ul>
<b>Skills</b>	Cisco N9K, N7K, N2K, ACI, UCS B/C Series, MDS, FTD/FMC, OSPF, ISE

<b>Company</b>	<b>Logicalis</b>
<b>Period</b>	Oct 2014 to July 2015
<b>Role</b>	TAC Support Engineer
<b>Description</b>	Global Network Center - Support major Sing health Customer and enterprise customers
<b>Skills</b>	Cisco R&S, Nexus routing & Switching and wireless.

<b>Sify - ISP - India</b>
Mar 14 to Sept 14
Network Engineering Senior
Support to Core Network Team
Routing, Switching - BGP, OSPF, EIGRP

<b>TCS - India</b>
Oct 2011 – March 2014
System Engineer
TCS Global Customers <ul style="list-style-type: none"> <li>• CTM - Macau</li> <li>• MAP Indonesia</li> </ul>
Routing & Switching