

Arun K.

Senior Network Engineer

SUMMARY

- IP Network Engineer with 15 years of experience in Enterprise/Service Provider/Data Center networks in greenfield & brownfield environments. - Provisioned, configured, maintained, and operated various networking devices such as routers, switches, firewalls, and load balancers in the physical, remote, and virtual networking infrastructure. - Exposed to and capable of various project functions like cloud/network operations, deployment, and service improvement. - Expertise in Software-Defined Networking (SDN) and network automation, with a focus on driving efficiency and performance. - Strong hands-on experience with a wide range of networking technologies, including routing, switching, firewall, load-balancer, and cloud platforms. - Skilled in network migration, automation, and infrastructure optimization, with a demonstrated ability to lead engineering functions. - Extensive certifications in networking and cloud technologies, including Cisco, VMware, and F5, highlighting a commitment to continuous professional development. - Adept at collaborating with cross-functional teams and providing training and mentorship to develop IT skills.

TECHNICAL SKILLS

Main Technical Skills	Network Engineering
Programming Languages	Python
JavaScript Libraries and Tools	React Router
Cloud Platforms, Services & Computing	AWS, Azure, GCP
Deployment, CI/CD & Administration	Ansible, DevOps, Jenkins
Mail / Network Protocols / Data transfer	Cisco Nexus, firewall, MPLS, Routing, Switch, Switching
Virtualization, Containers and Orchestration	Docker, SDN, Terraform, VmWare, VMWare ESX
Version Control	Git
Collaboration, Task & Issue Tracking	Jira
Operating Systems	Linux
SDK / API and Integrations	ServiceNow API
Logging and Monitoring	Wavefront
Other Technical Skills	

WORK EXPERIENCE

Network Engineer, ENBD Bank

Duration: 22/Mar/2023 – present, Total 7 months [Contract Remote Role]

Summary: Network Engineer in IT Infrastructure (SDN) - ENBD

Responsibilities:

- Focusing on providing logical network engineering and change management for ENBD Bank.
- Planning and executing physical/virtual host migration from Cisco Nexus networks to an SDN network based on Cumulus Linux.
- Creating Ansible runbooks and using CI pipeline for network infrastructure and service delivery
- Leading engineering networking functions to be delivered as Networking-as-a-service Optimizing edge infrastructure for DR/BCP

Technologies: Routing, Switching, Automation

Platforms: Cisco Catalyst/Nexus, White-box switches, Ansible, NVidia Cumulus

Network Engineer, OVH Cloud Technologies India Pvt Ltd

Duration: 20/Jul/2022 – 31/Jan/2023, Total 7 months [Full-time Remote Role]

Summary: Network Engineer in Network Scaling

Responsibilities:

- Leveraged expertise in private network resource allocation to develop and optimize capacity rules
- Implemented and managed dashboards to monitor and optimize network capacity while simplifying existing tools and services to align with future networking requirements
- Identifying new automation use cases, streamlined delivery processes, and reduced errors, contributing to improved operational efficiency
- Deployed/upgraded new equipment in DC and backbone connectivity

Technologies: Routing, Switching, Load-balancer, Cloud

Platforms: Cisco Catalyst, Arista, Juniper, Python, VMware

Sr. Network Engineer, Nutanix Technologies India Pvt Ltd

Duration: 28/Oct/2020 – 21/Jan/2022, Total 1.4 years [Full-time Permanent Remote Role]

Summary: Network Engineer in IT-DC Services



Responsibilities:

- Deployed and managed SDN, and cloud network infrastructure, manually and using automation
- Designed and operated networking systems for Nutanix DC & IT infrastructure
- Orchestrated and enhanced monitoring, auto-remediated DC, and cloud networks using Python & Terraform
- Led long-term DC infrastructure changes in HDN silos
- Conducted research and implemented PoC for Nutanix Flow on AHV hypervisor for application solutions and capabilities

Technologies: Routing, Switching, Firewall, Load-balancer, Cloud

Platforms: Cisco Catalyst, BigSwitch Fabric, Palo-Alto Firewall, Python & Terraform, AWS/GCP/Azure Clouds, Nutanix AHV & Flow

Sr. Network Reliability Engineer, VMware Software India Pvt Ltd

Duration: 01/Mar/2020 – 27/Oct/2020, Total 8 months, Overall 4.4 years [Full-time Permanent Role]

Summary: Network Reliability Engineer in VMC on AWS

Responsibilities:

- Maintained network infrastructure availability on VMware Cloud on AWS
- Identified and automated responses to key performance metrics, logs, and alerts
- Monitoring and measuring availability, latency, and overall network system health
- Managed and resolved networking and dependent virtual infrastructure issues of VMware/AWS/Hybrid SDDC services
- Work closely with software engineering teams for long-term improvements, bug fixes, workaround

Technologies: Routing, Switching, Firewall, Load-balancer, Containers, Cloud

Platforms: VMware ESX/VC/NSX-T/VSAN, Open-source software, AWS, Docker

Sr. Cloud Network Engineer, VMware Software India Pvt Ltd

Duration: 11/Jul/2016 - 28/Feb/2020, Total 3.8 years [Full-time Permanent Role]

Summary: Cloud Network Engineer in VMware Private Cloud

Responsibilities:

- Automated testing, deployment, and configuration activities of network/service configuration.
- Managed lifecycle phases as needed, installing new hardware, provisioning, and decommissioning.
- Implemented enterprise-wide network solutions/capabilities/enhancements.
- Resolved end-to-end infrastructure or service problems/incidents.
- Evaluated new/emerging technologies to enhance the infrastructure's capacity, performance, and reliability.
- Assisted ARB with the enterprise architecture in building network design blocks



- PoC'ed open/closed source centric solutions for IAM, Network-Automation, SDWAN

Technologies: Routing, Switching, Firewall, Load-balancer, SDN, Containers, Cloud

Platforms: VMware ESX/VC/NSX-V/VSAN/VCD, Cisco Nexus/Catalyst, Cumulus ONS, F5 LTM, Dell-EMC Black/White box switches, Docker

Sr. Lead Consultant, Infosys Technologies Ltd, Pune

Duration: 3/Nov/2014 - 20/May/2016, Total 19 months [Full-time Permanent Role]

Summary: Lead Consultant at Cisco Systems

Responsibilities:

- Modernized clients' global data communication infrastructure
- Designed and delivered the new network technologies required to enable next generation applications
- Consulted the low-level design of migration from existing legacy networks to new-generation IP networks
- Documented and maintained the network baseline by client configuration management procedures to include installations, drawings, Methods of Procedure (MOP) and network Implementation Plan (NIP), improvements, and upgrades
- Supported the creation, modification, and reviewed project plans in support of requirements
- Managed client's operational activities and project deliveries
- Assisted moving legacy infrastructure to Cisco ACI

Technologies: Routing, Switching, Firewall, Load-balancer, SDN

Platforms: Cisco Core/Catalyst/ACI, F5 LTM

Sr. Executive, Vodafone India Services Pvt Ltd, Pune

Duration: 17/May/2011 - 31/Oct/2014, Total 42 months [Full-time Permanent Role]

Summary: Executive in Vodafone Shared Services

Responsibilities:

- Off-shored Vodafone core networks operation activities based to India-based shared service center
- Monitored operational activities of all Vodafone European IP Backbone networks and resolved L1/L2 incidents
- Monitored the planned activities, outage control, and performance of all network elements
- Mediated with internal/external parties to provide alert and fault reports ensuring minimal interruption
- Analyzed, troubleshoot, and repaired internal customer issues escalated, on a proactive and reactive basis
- Reviewed, assessed, and acted upon problem management records
- Performed network documentation, RCA analysis, SLA reporting, MTTR reduction

Technologies: Routing, Switching, Firewall, Load-balancer, IPS



Platforms: Cisco Core/WAN/Catalyst, Juniper MX/SRX, Nortel Passport

Sr. Executive, Tata Communications Ltd, Pune

Duration: 15/June/2009 - 29/April/2011, Total 22 months [Full-time Permanent Role]

Summary: Executive in Learning & Development

Responsibilities:

- Trained CCNA R&S, CCNP R&S, CCNA Voice, CCNA Security, basic MPLS, IP foundation Etc
- Developed training content, handouts, labs & necessary resources
- Collaborated with managers, instructors, and staff to determine training needs
- Delivered training to new joiners and non-IT BUs for TCL products & services
- Determined skill set, training performance & development plans for various teams
- Developed training contents, materials, and necessary resources for classroom & web-based courses
- Evaluated external vendor training programs, and certifications
- Planned and managed training programs, batches, and participations for India based program

Technologies: Routing, Switching, Firewall, VoIP

Platforms: Cisco Core/WAN/Catalyst, VoIP, Juniper MX, ECI, Tejas

Network Engineer in Customer & Services Operations, Tata Communications Ltd, Pune

Duration: Aarvi (AEPL): 1/Jul/2008 - 12/Jun/2009, Total 12 months [Full-time Contract Role]

CMS Computers Ltd: 2/Aug/2007 - 30/Jun/2008, Total 11 months [Full-time Contract Role]

Responsibilities:

- Coordinated with BSO authorities for Ethernet, SDH & ISDN services management, and incident-resolution
- Handled documentation, and problem management, maintaining the infrastructure under NOC supervision
- Managed escalations and troubleshooting for all provider edge nodes/lines
- Mediated with external parties to provide alert and fault reports to ensure minimal interruption
- Monitored all MAN & WAN activities, outage control, and performance of all network elements
- Performed configurations of routers and switches at client side and PoP
- Planned equipment/line upgrades, L2-L3 changes, and owning end-to-end restoration
- Provided metro/WAN surveillance and service quality assurance on a 24x7 basis for corporate network customers at NOC
- Resolved connectivity issues of layer 1-2 circuits in the metro/national backbone network

Technologies: Routing, Switching, Firewall, ONS, Mux, Modems

Platforms: Cisco Core/WAN/Catalyst, Juniper MX, ECI/Tejas/Huawei Telco systems



EDUCATION

Bachelor of Engineering (B.E.) in Computer Science

RTMNU

2006

CERTIFICATION

HashiCorp Certified: Terraform Associate (003)

August 14, 2023

ISC2 Candidate

August 14, 2023

F5 Certified! Administrator, BIG-IP (F5-CA, BIG-IP)

February 29, 2016

Nutanix Enterprise Cloud Administration (ECA)

September 02, 2021

VMware Certified Advanced Professional - Data Center Virtualization Design 2020

October 08, 2020

VMware Certified Advanced Professional - Network Virtualization Design 2020

October 05, 2020

Multicloud Network Associate

June 18, 2020

VMware Certified Professional - Network Virtualization 2020

July 11, 2020

VMware Specialist - vSAN 2020

June 22, 2020

VMware Certified Professional - Data Center Virtualization 2020

June 08, 2020

Double VCP - Data Center Virtualization & Network Virtualization

June 08, 2020



VMware Cloud on AWS – Software Defined Data Center 2020

May 22, 2020

Cisco Certified Network Associate Routing and Switching (CCNA Routing and Switching)

May 19, 2014

Cisco Certified Specialist - Data Center Core

April 08, 2019

VMware Certified Professional 6 – Network Virtualization

December 31, 2016

Cisco Certified Network Professional Routing and Switching (CCNP Routing and Switching)

October 20, 2014

Associate - Information Storage and Management Version 3.0

March 14, 2017

VMware Certified Associate 6 – Network Virtualization

March 23, 2016

Juniper Networks Certified Specialist, Security (JNCIS-SEC)

March 11, 2015

Juniper Networks Certified Associate, Junos (JNCIA-Junos)

November 01, 2014

