

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
.NET Platform	Azure
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

Cisco IOS, Cumulus, Infovista, JunOS, Load-balancer, Load Balancer, Netcool, Palo Alto, Solarwind, ZenOSS

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 & and 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, troubleshooted, 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

