

# 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

<b>Main Technical Skills</b>	Network Engineering
<b>Programming Languages</b>	Python
<b>.NET Platform</b>	Azure
<b>JavaScript Libraries and Tools</b>	React Router
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure, GCP
<b>Deployment, CI/CD &amp; Administration</b>	Ansible, DevOps, Jenkins
<b>Mail / Network Protocols / Data transfer</b>	Cisco Nexus, firewall, MPLS, Routing, Switch, Switching
<b>Virtualization, Containers and Orchestration</b>	Docker, SDN, Terraform, VmWare, VMWare ESX

<b>Version Control</b>	Git
<b>Collaboration, Task &amp; Issue Tracking</b>	Jira
<b>Operating Systems</b>	Linux
<b>SDK / API and Integrations</b>	ServiceNow API
<b>Logging and Monitoring</b>	Wavefront
<b>Other Technical Skills</b>	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 & 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

