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## Professional Summary

Seeking a challenging career in an organization, where I can showcase my skills and get more opportunities to enhance my professional knowledge that can be used in the growth of organization. Professional Summary: 7+ years of experience in Kubernetes Administrator (CKA&CKS) User Level Experience & Developer on Unix/Linux Platform, j2EE with proficiency in Enterprise Application & SDN, Network Automation developer with Cisco NSO using Java, Spring Boot, My SQL Core Python, NumPy, SDN, SNMP, VMware, NETCONF, VNF, Cisco-NSO integration, Yang Modeling language, Xml Templates, Docker, Jenkins, Swagger, Amazon AWS, Jira tools. Result oriented, team player and problem-solver with

# Afatab Alam

## Experience

**Senior Cloud Engineer**  
**Rakuten Symphony India Ltd, Bengaluru,**

### September 2021 - Current

Managing multiple private clouds for enterprises on Bare metal, Virtual machines, and Containers to address different project needs.  
Cisco NSO orchestrators and O-ran, V-ran, VCU/DU onboarding for 5g/4g Managed Kubernetes-based production clusters for multiple edge data centers  
Verifying OpenStack and Kubernetes-based environment in Docker Containers for Sanity tests before upgrading Experience in overcloud.  
(VNFs) deployment Creation of yang and xml and YML based templates to deploy VNFs on Kubernetes and Openstack manually good background with virtualization, Virtual networking, Virtual switches, and software defined networks.  
Manage CVIM Infrastructure and Kubernetes based automation platform, scaling, troubleshooting, and debugging on most challenging complex environments.  
Cisco Network Function Virtualization Infrastructure (NFVI)  
Management and configuration of Cisco Network Service orchestrator (NSO)  
Configuration of yang model for change on network device.  
• Built effective pipelines and enhanced production infrastructure through targeted database and cluster management.  
• Used Docker and Kubernetes to manage, scale and update containers for improved automation possibilities.

Cloud infra and cloud cluster management (4G5G)  
Cisco Automation platform (NSO/ESC/CVIM)  
Cloud Native Automation platform and Cloud storage.

**March 2020- September 2021**  
**Sr. Software Engineer Capgemini | Gurugram**  
**Senior Software Engineer**  
**Capgemini Engineering**

Cisco NSO Orchestrators and Service developer O-ran, V-ran, VCU/DU onboarding for 5g/4g Site for Rakuten JAPAN,

Managed Cisco NSO Orchestrators and Cisco ESC (MANO) production clusters for multiple Site and edge data centers.  
Verifying NSO, ESC, OpenStack, and Kubernetes-based environment in payload and package, service data and Docker Containers for Sanity tests before upgrading Experience in overcloud (VNFs) deployment Creation of yang and XML and YML-based templates to deploy VNFs on NSO, ESC, Kubernetes and Openstack manually.  
Good background with virtualization, Virtual networking, Virtual switches and software defined networks  
Manage Cisco NSO orchestrators Infrastructure and Kubernetes based automation platform , scaling, troubleshooting, and debugging on most challenging complex environments  
Cisco Network Function Virtualization Infrastructure (NFVI)  
Modification and configuration of Cisco Network Service orchestrator (NSO)  
Configuration of yang model for change on network device.  
Integrated third-party applications into existing software, enhancing features and performance.

excellent interpersonal and communication skills. Eager to learn new Technology, fast and keen learner, always willing to adapt with the changing business environments and technologies. Highly motivated, industrious, and self-disciplined team player.

## Technical skill

**Kubernetes Administration. Linux shell scripting, docker, AWS, Terraform, vagrant, O-ran, V-ran. virtualization Networking, JAVA (J2SE,J2EE,JSP Hibernate, Spring boot) Core Python, NumPy, SDN,SNMP, VMware, NETCONF VNF, Cisco-NSO integration, Yang language XML Templates, Jenkins, Swagger, Amazon AWS, Git, and Jira Tools. HTML, CSS, JavaScript, Oracle 9i 10g. 11g DBA OCP Knowledge Familiar with My SQL &UNIX based OS and shell scripting as well as Language**

### March 2019 - March 2020 Software Engineer Infinity Labs Ltd | Noida

Cisco NSO Service and NED developer

Contributed to all phases of the development and development lifecycle, from design to writing and development.

Project details:

1- SDWAN (Cloud-based Network Integration System) 2- L2VPN/L3MPLSVPN(SDN)

Cisco (Use cases- Bharti Airtel, JIO, idea, STC, Bank of America, yes Bank)

Discription : Cisco Network Services Orchestrator (NSO) is industry leading software define networking for automating VPN Level service across traditional and virtualized networks. NSO to add, change, and delete Services without disrupting overall service, and help ensure that services are delivered in real time.

3- Cisco NSO Firewall-Services (SDN) Bank)

Cisco (Use cases- Bharti Airtel, JIO, idea, STC, Bank of America, yes )

Discription : Cisco Network Services Orchestrator (NSO) is industry leading software define networking for automating VPN services across traditional and virtualized networks. NSO to add, change, and delete services without disrupting overall service, and help ensure that services are delivered in real time.

4- Cisco Device network -Compliance (Automation)

Cisco (Use cases- Bharti Airtel, JIO, idea, STC, Bank of America, yes Bank)

Discription : This package supports capability to detect non-compliant Cisco devices on the network It also has support to make the devices compliant by using golden(device) template(s) define in Cisco-NSO. Internally it is using built-in compliance feature in Cisco-NSO. It adds additional features like creating device groups dynamically as well as fixing configuration of non-compliant devices to make that device compliant.

Technology- Core Java, Yang model, XML Template

### February 2017 - February 2019

#### Senior Technical Reliance Communication Ltd Navi Mumbai

Working in Network Operation Center (NOC)

Department: International Switch Center (ISC) and ILD Provisioning and operations

Designation: Sr. Technical Executive. (2nd Level Operations)

Technology: Alcatel Lucent NGN wireline switch and MGW.

Alcatel Lucent NGN switch (MGC/SG/MG/ATCA  
Acme Oracle SBC (4250/4500/9200)  
Ericsson AXE 10 switches.

Provisioning of new carrier interconnection, Additional and deletion of carrier IP route implementation

Independently handling international carrier related activities and issue.

Capturing live call traces and analyzing issues in network and providing solutions according Live packet traces analysis and SIP traces analysis and NGN traces analysis.

Issues such as call failure, FAS, dead air, Low ASR, ACD, packet loss and voice quality.

Analyzing wire shark traces, SIP, ss7, ISUP traces.

Route addition, deletion routing changes as per traffic requirements of carriers and commercial requirements.

Configuring the SBC realm, carrier profiles, enabling and disabling the inbound and outbound policies for carriers as per requirement, allocating or changing port capacity for carriers.

Analyzing the requirement of network, carrier and performing changes in live network accordingly.

Analyzed customer network requirements, offering targeted product recommendations and setups to meet needs. Assisted users with network access and technical troubleshooting to reduce downtime.

## Education

2017

MCA | Software Engineering

Sikkim Manipal university

GPA:68

2014

Diploma | Computer Applications

National Institute of Electronics & Information Technology, New

GPA:60

## Certifications

Certified Kubernetes Administrator (CKA)

Core Java & Advance Java

Oracle 9i DBA(OCP)

Best Employee Award from Rakuten