**Rahul De**  • Mobile - 720-217-3725 • Email – [derahul9@gmail.com](mailto:derahul9@gmail.com)

**Summary:**

A Network Engineer with 6+ years of experience managing a large global multi-vendor enterprise networking infrastructure along with a Master’s degree in Computer Networks and Certifications such as CCNP & ITIL Foundations. My area of expertise are Network Engineering & Operations, Network Automation using Python and Linux

**Skills:**

**Platforms** – Cisco, Arista, F5, Cumulus, Cloudflare, Akamai, Checkpoint, Palo Alto, Ubuntu, Python, Ansible, Office 365

**Tools** – ServiceNow, Solarwinds, T-Eyes, Netcool, Splunk, Netscout, Sumologic, Netbrain, Wireshark, Pycharm, GIT

**Technologies** – TCP, BGP, OSPF, MPLS, IPSEC, QoS, DNS, DHCP, SNMP, VLAN, STP, FHRP, VXLAN, CDN, SR, SDWAN

**Certifications** - CCNP (R&S: CSCO12739809), ITIL Foundations (GR750402049RD)

**Professional Experience:**

**Staff Network Engineer, Network Reliability Engineering – Visa Inc.** (March 2018-Current)

* Experience with developing Python scripts to automate infrastructure deployment such as device upgrades, auto self-heal of degraded components and collect metrics using API to different monitoring tools
* Collaborate with engineering teams to accomplish design reviews of new network deployments and technologies, do failover testing and document operational runbooks for successful operations handover
* Proven experience partnering with customers to gather requirements and deploying solutions to uplift the existing infrastructure, reduce TTD issues by implementing solutions to improve monitoring and telemetry
* Work with level 1 & 2 network teams to analyze requirements or potential problems and proactively develop solutions, enhance tools, develop best practices and continuously refine operational procedure
* Serve as an escalation point for level 2 Network operations team for Priority 1 issues, troubleshoot the issue and constantly work towards improving availability metric by training junior members of the team
* Simulate production environment in the lab set up for DR testing, mock practice of impact scenarios, testing automation solutions and migration plans of new deployments

**Network Engineer, Network Operations and Deployment – Visa Inc**. (Nov 2016-March2018)

* Experience implementing and supporting network infrastructure in complex environments comprising of Datacentre, Backbone Core/Edge, CDN, Application Delivery (Load balancing) network
* Expertise in guiding level 1 operations solve issues involving complex deployments with 3-tier security architecture, CDN, VXLAN network fabric using tools such as Solarwinds, T-Eyes, Wireshark, Sumologic
* Collaborate with engineering teams to deploy network migration projects, code upgrade and config push projects using Ansible Tower & Python and creating network diagrams on visio for new deployment

**Network Engineer, Network Engineering – Level 3 Communications** (June 2015-Nov 2016)

* Create Python scripts to standardize configuration on M&A devices of the company
* Develop test cases using parsers on Spirent iTest to automate network testing for different vendor platforms

**Student Assistant, Computer Network Lab – University of Colorado Boulder** (March 2015-June 2015)

* Assemble, Inventory and stage Cisco, Juniper devices, Linux servers to build an advanced computer network lab

**Associate Software Engineer – Accenture**  (Nov 2013-July 2014)

* Deliver client’s business requirements using SAP-ABAP programming language

**Education:**

**Masters of Science in Computer Networking, University of Colorado at Boulder** (May 2016)

* Capstone – Designed a resilient Datacenter network with features such as multi-site fault tolerance using VMotion, Load balancing, RSTP, Routing with BFD for fast failover and SSL for encryption

**Bachelors of Engineering in Electronics and Telecommunication, University of Mumbai** (May 2013)