Faisal Ali

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Skills

· Proficient in Python.
· Experienced in IP Networks.
· Familiar with PostgreSQL, Django, HTML, CSS, Bootstrap, Jupyter Notebook.

Projects

Vulnerability Checker (July 2020 - Ongoing)

· Cisco releases security advisories for vulnerabilities found in their routers. In this project we will be creating a database for the vulnerabilities with their specific commands for checking on router and will be using python for triggering commands and analyzing the output, and based on that output what necessary action needs to be taken against it.

Testing Toolbox (June 2020 - Ongoing) - https://github.com/Fa1sal-ali/testing_toolbox

· In this project we are migrating our prebuilt scripts to a Django based web app for increasing user reachability and be more appealing.

Protocol Converter (May 2020 - Ongoing) - github.com/Fa1sal-ali/protocol_converter

· In this project we will be converting the routing protocol from Static to BGP for PE & CPE routers for MPLS and Internet links.

SNMP Tester (Mar - Apr 2020) - github.com/Fa1sal-ali/snmp_tester

· A CLI based tool used for pinging loopback IP's and running SNMP protocol for routers from a server and reporting the same.

Last Mile Verifier (Feb - Mar 2020) - github.com/Fa1sal-ali/last_mile_verifier

· A CLI based tool used for pinging multiple WAN pools and checking router reachability from a server and reporting the same.

Everest CSV Creator (Nov - Dec 2019) - github.com/Fa1sal-ali/ec2

· A data analytics project in which we fetch data from multiple sources and generate required CSV using data analytics technique.

CEN L2VPN Tool (Sep - Oct 2019) - github.com/Fa1sal-ali/cen_l2vpn

· A CLI based tool able to SSH Cisco ASR9K Routers and extract the status of L2VPN service and report the same.

Router Configuration Tool (Jun, 2019 - Ongoing) - github.com/Fa1sal-ali/router_configuration_tool

· A CLI based tool for generating templates for CISCO/HUAWEI/MAIPU routers for configuring customer end routers.

Handover Tools (May - Aug 2019) - github.com/Fa1sal-ali/handover_tool

· Developed a tool backend as well as frontend and customized for 3 different teams for saving handover data in real time.

Work Experience

Bharti Airtel – Executive (IP/MPLS Testing & Automation)   Jan 2019 – Ongoing

· Developing tools and applications using Python.
· Writing and maintaining scripts in Python.
· Supporting and bug fixing of apps based on user feedback.
· Working with different vendors like Cisco, Juniper, Huawei for automating manual tasks on routers.

Bharti Airtel – Executive (Service Quality - Optics)   Jan 2017 – Dec 2018

· Handling Optical Transmission Network (OTN, WDM, SDH) of Bharti Airtel.
· Fault management and troubleshooting in NMS along with proactively monitoring alarms and threats of network.
· Taking care of acceptance testing of network devices.
· Ensuring diversity of mobility circuits for 3 circles to avoid critical BSC isolations.

Bharti Airtel – Graduate Engineer Trainee   Aug 2016 – Dec 2016

· Visiting various departments throughout Airtel.
· Learning various technologies being used in network.

Certification/Course:

· [PCEP-30-01] PCEP – Certified Entry-Level Python Programmer (Nov 2019)
  https://www.youracclaim.com/badges/55946917-80ff-4e6f-a482-edf366a01412/linked_in_profile

Education

· **Hindustan College of Science & Technology -** B. Tech (ECE)   Aug 2012 – July 2016
· **St. Georges College -** Intermediate (PCM)   Apr 2011 – Mar 2012
· **St. Georges College –** High School (Science)   Apr 2009 – Mar 2010