Peeraiah Chagalamarri

Expertise: QA (Automation)   **Contact: +91-9148750898**
Experience: 9+ year's   **peeraiahqa@gmail.com**

Career Objective:

Having 9+ years of Quality Analysis and python Automation experience in L2/L3&L7 protocols seeking a position in IT networking to utilize my technical experience for organization's as well as my career growth and stability. Quality Assurance Analyst L2-L3 &L7 Network Protocol Tester in Product software test environment. Good automation knowledge on scripting.

Professional Experience:

- ❖ Currently working as **Lead Engineer** in **HCL Technologies** from Feb-2019 to till now.
- ❖ Worked as **Network Lab Technician** at **EFS Facility services** from May-2015 to Jan-2019.

Professional Summary:

- ❖ Hands-on experience in l2/l3 & l7 protocols like VLAN, xSTP, DHCP, VRRP, RIP, OSPF, HTTP.
- ❖ Good knowledge on cisco firepower devices FTD & FMC(NGFW).
- ❖ Good knowledge on cisco Switches and Routers.
- ❖ Python automation with PyATS with aetest/ FTL libraries.
- ❖ Hands-on experience perforce and docker containers (KICK/CIM)
- ❖ Knowledge on public cloud AWS & Azure.
- ❖ Experienced in Linux installation, configuration, and system administration, including deploying operating systems from ISO images, assigning static IP addresses, and managing packages using package managers (APT/YUM).
- ❖ Good experience on VMware and TBAAS.
- ❖ Familiar with CI/CD (CIM/Jenkins) pipelines.
- ❖ Experience in Manual Testing, Automation Testing, and Regression Testing.
- ❖ Good understanding of STLC Testing Methodologies and Concepts.
- ❖ Identify technical issues and work with teams to resolve or mitigate them.
- ❖ Reporting bugs and the verification of bug fixes.
- ❖ Used TIMS for the testcases
- ❖ Hands-on experience in traffic generators tools Ixia-Ix explorer, Ix-Network.
- ❖ Basic Knowledge on Mango DB.

Educational Qualification:

Completed **B. Tech** (Electrical Engineering) from **JNTUA** in 2013 and gained **80.27**%

Project Details: 1

Project   **:** CDFMC automation (2024/March-Till now)
Testing Type : Python Automation/Feature Testing (Backup & restore)
Client   **:** Cisco
Devices   **:** CDFMC With AWS
Framework   **:** PyATS
Library   **:** FTL (Feature Test Library)

Description:

AWS instanced cloud delivered firepower management center (CDFMC) which is onboard with FTD devices. Taking the backup of those devices and those are configured with Standalone, HA and Cluster also restore the backup files on the firewall devices. Used the FTL libraries and automated.

Responsibilities:

- ❖ Deploy the CDFMC (cloud delivered FMC).
- ❖ Onboard the FTD devices.
- ❖ Generating the device backups (standalone, HÀ & Cluster).
- ❖ Restore the backup on other devices with different scenarios.
- ❖ Developing & scripting backup and restore feature with python FTL.
- ❖ Integrated the Testcases with CIM and Report to Daily Regression.
- ❖ Testing the Daily based builds of IMS.
- ❖ Deploying the Test setup by using the local UCS, Pclouds & Pfsense.

Project Details: 2

Project   **:** CISCO SNORT (2019/Sep-2024/Feb)
Testing Type   **:** Python Automation/Feature Testing
Client   **:** Cisco
Devices   **:** FPR 4100,2110 & 1100

Description:

Snort 2 feature automation with firepower devices with the protocols like HTTP, FTP and TEACAT bugs. These FPR's have the 1.5gbps throughput (NGIPS) with the interface configuration of 8xRJ45, 4x SFP. Static routing in between Client & server.

Responsibilities:

- ❖ The SQA Engineer has the responsibility of coordinating the activities of test teams to ensure s/w quality.
- ❖ Automated the TEACAT/CFD & IFD over the public clouds along with the verification.
- ❖ Performed the Bug recreation and verification.
- ❖ Create and maintain test cases, test plans, test metrics, defect metrics and lead test case reviews.
- ❖ Verify the defects then ensure defect integrity, quality and technical correctness.
- ❖ Communicate with leadership and development teams regarding QA issues/risks.
- ❖ Test environment setup and execute test cases.
- ❖ Performed functionality testing and high availability features.
- ❖ Tracking defects, reporting the bugs, verification of fixed bugs.
- ❖ Responsible for supporting, implementation and troubleshooting the network infrastructure.

Project Details: 3

Project   : CISCO SNORT
Testing Type : Manual Testing &Python Automation
Versions   : Snort-2.9.11 to 2.9.20
Product   : Opensource

Description:

Snort opensource (IDS & IPS) is the best feature to satisfying the customer needs which will woks on rule standard. This contains the standard config files and rules. This snort features applicable for all the Linux platforms and Windows (32 & 64 bit). Recent snort version is 2.9.20.

Responsibilities:

- ❖ Testing of the test plans according to the requirements.
- ❖ Created Virtual machines (LINUX / Windows) on private cloud /UCS.
- ❖ Used the NFS server to get the pcaps and conf files of snort.
- ❖ Installed the snort all the Linux and windows servers & Desktops.
- ❖ Tag the snort opensource builds on snort website.
- ❖ Automated opensource feature.
- ❖ Maintained the proper Confluences.
- ❖ Increase the test efficiency and the software value.
- ❖ Tracking defects, reporting the bugs, verification.
- ❖ Update with TIMS Testcase results.

Project Details: 4

Project   : L2&L3 Network Protocol
Duration   : March-2019 to Aug-2019
Payroll   : HCL Tech
Client   : CISCO
Model   : cisco 4000 series routers & catalyst 3560 series switch
Testing Type : OSPF, VRRP Automation Testing

Description:

Cisco Router 4000 are integrated series of routers, it has 100G full duplex forwarding capacity, 20 ports, 8x1/10GE SFP+, 8x1GE SFP and 4x1GE. This system has integrated packet processing, traffic management and fabric interface, L2/L3 capable service aware architecture.

Responsibilities:

- ❖ The SQA Engineer has the responsibility of coordinating the activities of test teams to ensure s/w quality.
- ❖ Create and maintain test cases, test plans, test metrics, defect metrics and lead test case reviews.
- ❖ Verify the defects then ensure defect integrity, quality and technical correctness.
- ❖ Communicate with leadership and development teams regarding QA issues/risks.
- ❖ Test environment setup and execute test cases.
- ❖ Performed functional of layer 3 protocols like OSPF and high availability features like VRRP.
- ❖ Tracking defects, reporting the bugs, verification of fixed bugs.
- ❖ Responsible for support, implementation and troubleshooting the network infrastructure.

Project Details: 5

Project   : CEM Facility
Duration   : 2015/May - 2019/JAN
Payroll   : EFS Facilities services India pvt ltd
Client   : Cisco
Work Type : Network Lab Technician

Description:

Network lab Rack (ESD & Non ESD) fixing with the power cycles with proper power cabling either AC/DC due to this we can maintain the proper load to each row. Fixing the Routers/Switches and proper level in the rack. check copper chains and With ESD Wrist bands. Maintain the AC level on throughout the lab. UPS system controlling.

Responsibilities:

- ❖ Colleting the AC readings in the Network lab.
- ❖ LAB rack installation and power cycles fix.
- ❖ Monitoring the Floor Distributions.
- ❖ Maintain the proper Excels of Daily reports (AC/DC Power)
- ❖ Actively participation on Power shutdowns.
- ❖ Intimate to the superiors if we found any major issues.
- ❖ Maintain the proper daily reports.

Declaration:

I hereby declare that the particulars furnished above are true to the best of my knowledge.

Place: **Bangalore**   **Peeraiah.C**