Dhinagar P

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7373809380

Bangalore, Karnataka

## **Professional Summary**

1. A highly motivated and result driven IT Professional with 6+ years of experience.
2. Outstanding motivator and team builder.
3. Proﬁcient at completing tasks on time, under diverse and high pressure environments.
4. Deft at reviewing, designing documents, plan and various estimations.
5. Good public relations along with excellent communication, interpersonal and presentation skills.
6. Ability to work well in both team and individual assignments.
7. Creative problem solver and out of the box thinker.

## **Technical Qualification**

1. Have 6+ years of experience as Automation Engineer.
2. Involved in testing new hardware and software using automated scripts
3. At ease working with both Waterfall and Agile software life cycle models.
4. Good understanding and programming skills on Python.
5. Good Knowledge to create new framework from scratch
6. Good knowledge in YANG,Switching ,Android,Web,Mobile app,SDN Controller,basic Routing protocols, and Manageability features like AAA,SNMP,RESTAPI,NETCONF,NTP,ROLLBACK,RMON etc
7. Good understanding of Testing Methodologies and Concepts.

**Experience**

# **Senior QA Engineer**

CommScope/ARRIS/ • Bangalore, Karnataka

07/2022 - Present

**Feature(s)** : HC200-Android(Zoom call,Amazon Chime call,Medical devices reading validation,HDMI-IN,Reminders,Photos,Videos),Cloud portal(Conﬁguration from cloud to

android device),Mobile App

### Responsibilities and Deliverables :

* 1. Designed and developed a robust automation framework from scratch, supporting both Android, web, and mobile applications, using [Automation Tool, e.g., Python,Javascript,HTML,CSS, PHP (XAMPP), My SQL].
  2. Implemented Python Libraries on the Framework: Selenium,Multiprocessing,Threading,request,os,sys,re,yaml,csv,smptlib,pandas,numpy,uiautomator2,logging,mysql.connector,pywinauto,webdriver\_manager,subprocess,email,date rmtree),ftplib,telnetlib,paramiko,seaborn,matplotlib,open-cv(cv2) etc
  3. Created the Cypress script using Javascript for Ui validation.
  4. Created the webpage using PHP,HTML, and My SQL (XAMPP) for displaying the execution results to stakeholders.
  5. Stability results will be broadcast to all stakeholders on a daily basis using a script, and mail will have the memory analysis (chart on a process basis), log, test case results,Build number, No’s of DUTS, analysis of the log, and ﬁnding the fatal exception and logcat pattern(like ANR,shutdown,SIGABRT) displayed on the result attachment.
  6. Implemented [Design Pattern, e.g., Page Object Model (POM)] to enhance test script maintainability and readability.
  7. Collaborated with functional and System teams to gather automation requirements, analyse application features, and prioritise test cases for automation.
  8. Created and executed automated test scripts for [Type of application, e.g., Android,cloud portal,mobile] to ensure product quality and identify critical defects early in the development cycle.
  9. Actively participated in code reviews and mentored team members to improve overall automation code quality.
  10. Integrated the automation framework with the CI/CD pipeline, enabling continuous testing and faster feedback loops.
  11. Conducted regular test result analysis, generated detailed reports for management and stakeholders, highlighted testing progress, and identiﬁed areas for improvement.
  12. Investigated and debugged test failures to determine root causes, collaborating with development teams to resolve issues effectively.
  13. Stayed abreast of emerging automation trends and tools, recommending and implementing process improvements to increase efﬁciency and reduce testing time.
  14. Developed automated test scripts for regression, integration,smoke,sanity, stability, and performance testing, resulting in a signiﬁcant reduction in manual testing efforts.
  15. Assisted in setting up and conﬁguring test environments, ensuring test data readiness for automation testing.
  16. Collaborated with developers to design and implement API test automation for backend services using API Testing Tools, e.g., Postman etc.
  17. Actively participated in sprint planning, retrospectives, and daily stand-up meetings to provide automation updates and ensure alignment with development and testing activities.
  18. Tracked and reported defects, validated their resolution through automated test scripts, and veriﬁed ﬁxes during regression testing cycles.

**Team size** : 16

**Duration** : 1 years(July 2022 - Tilldate)

# **Senior Test Engineer**

WIPRO Ltd(Client:FUJITSU Network) • Chennai, TamilNadu 03/2021 - 07/2022

**Feature(s)** : Virtuora Network Controller(SDN) Features:

1. CM-Yang,System,shelf,slot,subslot,port,interface,NTP,UserManagement,Crossconnect,YPG,Port Connection,Set Shelﬁd,Retrieve USI Info,Restart System,Physical Inventory
2. RMBU(Remote Backup),RMR(Remote Restore),Scripting
3. SWDL(Software Download)
4. NE Maintenance ,Template testing
5. FM- Active,Historical alarm,Journal Alarm,Transcient Condition Events,Activity log,Dashboard
6. PM – Enable/Disable PM,Active,Historical PM,Checking the bin status in HDFS

### Responsibilities and Deliverables:

1. Analysed the Device Yang thoroughly and tested the features in the NE and Virtuora (SDN) controllers.
2. Writing the test cases based on YANG-supported features and providing the external and internal review for the test plan
3. Automate the Test cases based on the test plan by using the Robot Framework(Python).
4. I've worked with the ROBOT framework, PYTHON, JSONNET, JSON, and Yaml.
5. I had exposure to Virtuora (SDN) controller features like Northbound, Yang,Southbound,Emf,Netconf, Websocket, UI, etc.
6. Creating the Jenkins jobs once I have automated the test case
7. Daily checking the Grafana page to see whether Jenkin jobs are running properly or not
8. Failure analysis is also done every week based on Jenkin Jobs failure.
9. Responsible as an automation/Manual test engineer for all CM, FM, and PM features validating
10. Creating NE devices by using a Docker image and sometimes via QEMU
11. Raising and clearing alarms will be achieved via Docker.
12. Accountable for testing of Fujitsu transponders (T300, T310, and T700), OTN switches (S100, EKINOPS ETSC6),
13. I have written 50+ library procedures for various test scripts.
14. Developed more than 100+ application test scripts across features.
15. Raised more than 50+ defects during the test activity across these features.

**Team size** : 12+ engineers

**Duration** : 1 year 3 month

# **Senior Software Engineer**

HCL Technologies Ltd(Client:Extreme Networks) .Chennai, TamilNadu 03/2020 - 03/2021

### Feature(s) :

AAA(RADIUS,TACACS,OAUTH2,LDAP),SNMP,RESTAPI,TLS,NETCONF,DNS,ROLLBACK,NTP,RMON,NPB,TELNET,SSH,PING,TRACEROUTE,COPY(SCP,TFTP,FTP,SFTP),Linux,L2

LAG,L3 LAG,Dual Management,LDAP source interface,ACL,VLAN,STP,Basic L2 and L3 Protocols

### Responsibilities and Deliverables :

1. Individually responsible for devising the test strategy and plan for the above listed features.
2. Responsible as Manual/ Automation test engineer for all features listed above.
3. Accountable for testing of SLXOS for SLX devices
4. Have written 100+ library procedures for various test scripts.
5. Developed more than 500+ application test scripts across features.
6. Raised more than 400+ defects during the test activity across these features.
7. Tested the above across a broad portfolio of hardware.
8. Review and approval of automated content and other testing deliverables across teams.
9. Automation across ﬁve different hardware platforms and worked under pyTEST framework
10. Created Raw python code using paramiko,telnetlib,multithreading packages for scale Tc's

**Team size** : 10 to 12 engineers

**Duration** : 1+ years(March` 2020 – March`2021)

# **Software Engineer(Fresher)**

HCL Technologies Ltd.Chennai, TamilNadu 05/2017 - 03/2020

**Feature(s)** :AAA(TACACS,RADIUS),NP ERROR MONITORING , TELNET,SSH

### Responsibilities and Deliverables :

1. Individually responsible for devising the test strategy and plan for the above listed features.
2. Responsible as Manual/ Automation test engineer for all features listed above.
3. Accountable for testing of NI boxes
4. Have written 50+ library procedures for various test scripts.
5. Developed more than 50+ application test scripts across features.
6. Raised more than 20 defects during the test activity across these features.
7. Tested the above across a broad portfolio of hardware.
8. Review and approval of automated content and other testing deliverables across teams.
9. Automation across three different hardware platforms.
10. Completed Python,Selenium,Testing,Networking,Communication training

**Team size** : 10 to 12 engineers

**Duration** : 6 + Months Project training(MAY’ 2017 – JAN’ 2018)

**Skills**

* Scripting Languages: Python,ROBOT,Javascript,HTML,PHP(Basic)
* Traffic Generators: STC and IXIA.
* Operating Systems: Windows, Linux(CentOS,Ubuntu),AOSP
* Version Control Systems: Gerrit, GITHUB,BitBucket
* Defect tracking tool: JIRA,QMS
* Network Protocols:SDN Controller,AAA,SNMP,RESTAPI,NETCONF,RMON,NTP,ROLLBACK,STP,VLAN,LAG etc
* Others: Docker and KubernetesJenkins, Grafana,Enovia,Confluence,(Basics about Cypress, CSS selector,Javascript),selenium,Numpy,pandas,pywinauto,threading,Multiprocessing,subprocess,requests etc

**Education**

# B.E(Electronics and Communication Engineering)

Anna University(PRCET) • Thanjavur, Tamil Nadu

CGPA:80%