Jebakumar **Govindaswamy**

Software Validation Engineer

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Result-Driven Network Test Engineer with 6+ years of experience conducting manual and automation testing on LAN, WLAN and WAN infrastructures. Detail-oriented quality inspector tasked with producing reputable products. Coordinated with developers and subject matter experts to reach accurate findings in testing results.

Skills

Designing Network Topology

Excellent

Switching and Routing

Good

L2-L3 Protocols: 802.1Q, 802.3, 802.11, MAC, ARP, 802.1x, STP, IP, ICMP, NAT, ACL, QoS, LAG

Very Good

L4-L7 Protocols: TCP, UDP, DHCP, DNS, FTP, HTTP, SNMP, LDAP, TACACS+, Radius (EAP)

Good

802.11 Enterprise & Commercial AP & STA, 8021.11 a/b/g/n/ac Conformance Testing, Interoperability Testing, Performance Testing

Very Good

Testing Tools: IXIA Veriwave, Chariot, iPerf, hping, Wireshark, tcpdump, Omnipeek

Very Good

Software Test life cycle: Agile Methodology

Very Good

Automation Testing: Shell & Bash Scripting, Python

Good

Defect Tracking: JIRA, IBM ClearQuest, ApTest, MS-Office (Word, Excel, OneNote…)

Excellent

Network products: Firewall, Routers, Switches, Access Points

Good

Windows Server Administration: AD, DHCP, DNS, NPS, IIS, CA

Good

Work History

2021-12 - Current **Software Validation Engineer**
Intel, Bengaluru, Karnataka

- Validating performance of Intel Ethernet adapters

2019-04 – 2021-11 **Test Engineer**
SonicWall, Bengaluru, Karnataka

- Designed efficient test topology and bringing up Test environment as per test requirement using multiple firewalls, switches, and access points.
- Written and executed 300+ functional and user-acceptance test cases and test scripts for Sonicwall Switch and Sonicwall Access points products prior to release to production.
- Executed IXIA Veriwave Enterprise Master plan – Conformance, Interoperability, Performance Test plans on SonicWall Access Points. Automated it using TCL scripting.
- Tested Sonicwall GEN6/7 Firewall features like zones, Failover, Load balancing, SFP/SFP+ interfaces, AAA, VPN, High Availability, and policy-based routing.
- Reported over 200+ JIRA and worked with developers to identify root cause of issue and resolve it.
- Engaged internal and external customers during planning and test phases and interfaced with assigned project managers to comply with entry criteria.

2017-12 - 2019-03 **Engineer II**
Qualcomm (under payroll of Zilogic Systems), Chennai, Tamil Nadu

- Configuring and bringing up test bed as per requirement by installing 802.11ad supported WiFi chipsets in OpenWrt, windows, Linux (Ubuntu), Android devices and configuring it in AP/STA mode using hostapd and wpa_supplicant configuration file.
- Executing manual and automated script test cases for functionalities like Wireless Association, Traffic in TCP & UDP, QoS, Roaming, Multiple Virtual Access Point, Stability, Ping Latency and IOT. Automating Test scenarios using Qualcomm Internal automation Application and Bash scripting.
- Reported Bugs and Closely worked with developers to identify root cause and resolve it.

2014-10 - 2016-11 **Member Technical Staff**
HCL Technologies, Chennai, Tamil Nadu

- Analyzing and understanding Functional Requirement Specification Document of product to develop test strategy, test scenarios and test cases.
- Installed and configured windows server roles like Active Directory, Network Policy Service, DHCP, DNS and Certificate Authority for testing.
- Participating in system walk-through and inspection meetings to understand system operation flows and exposure to agile testing methodologies.
- Executed Apple Airprint and Android Mopria automated scripts, concurrent test cases and send successful logs to Apple and Mopria organization to certify product.
- Testing MAC-OS X, iOS and Android compatibility by executing more than 100 manual test cases on each product (Xerox MFP/SFP).
- Manage team with 4 members. Analyses and provide solution to issues faced by team and completed product testing as per schedule.
- Circulate daily and weekly status report to Program Lead and Reporting Manager.

Education

2010-08 - 2014-07 **Bachelor of Technology: Information Technology**
Meenakshi College of Engineering (Anna University) – Chennai, Tamil Nadu, India

Accomplishments

2021-08	Spot Award - *Sonicwall*
2018-10	Great Performance - *Qualcomm*
2018-02	Great Work at AP Program - *Qualcomm*
2015-07	Star Performer - *HCL Technologies*

Certifications

2014-08	System Administrator in IBM AIX Server - *Issued by NSIC*
2015-03	Software Testing Foundation – ISTQB - *Issued by HCL Technologies*
2017-11	Cisco Certified Network Administrator in Routing and Switching (CSC013252976) - *Issued by Cisco*