Software Engineer(ADP) - HCL TECHNOLOGIES
Chennai, Tamil Nadu
To work in pragmatic way in an organization where I can show my talent and enhance my skills to meet company goals and objective by doing smart work with full integrity and zest
Willing to relocate to: Chennai, Tamil Nadu

Work Experience
Software Engineer
HCL Technologies
June 2016 to Present
Project Description: Brocade Virtual Traffic Manager is a software-based application delivery controller (ADC) designed to deliver faster, high performance user experience, with more reliable access to public websites and enterprise applications, whether they run in a public cloud, private cloud or virtualized environment, while maximizing the efficiency and capacity of web and application servers.Â Â Responsibilities in VTM Hermes:Â Automation:Â â€¢ Automated PERL scripts for Stateful L4-SLB - Failure Pool featureÂ (IPV4 & IPV6) for l4_accel_tcp, l4_accel_generic and http protocols to ensure the continuous traffic flow without loss.Â â€¢ Automated PERL scripts for UDP, TCP, Transparent/Source-nat features.Â â€¢ Sanity run on major builds to ensure the functional stability of the Virtual traffic manager for ESX and KVM hypervisor.Â â€¢ Automation regression run done for daily, upgrade and GA VTM builds in both ESX & KVM covering basic features and functionality and report the issues.Â Â Manual:Â â€¢ Manual Testing done in VTM on major builds (TRAM/TRAVELLERS) for persitence, failure pool, icmp and SNAT Features, L4-SLB stateful DNS, Interface events and Vlan sub-interfaces/ DPA, DNS, failure pool,Â Â Responsibilities in ADX and VADX:Â â€¢ Reproduced Customer found defects and verified the fix for the same in various critical patch releases.Â â€¢ Done sanity testing for the STICKY, SNMP, MULTITENANCY, DHCP, PREDICTOR, CSW, SIPand SLB MAXCONN features.Â â€¢ Done Solution testing for patch releases by loading critical customer configuration and tested SSL, DHCP, SSH, Inbound ACL, Predictors, SSH.Â â€¢ Automation Regression run and failure analysis done across different tesbed environment.Â â€¢ Load daily images and trigger 8hr sanity to ensure the software quality.
Software Engineer
HCL Technologies Limited
August 2014 to June 2016
Project 1: Brocade IP-TESTING NOS (Network operating system) (SQA)Â Role: Software Engineer (22-Aug 2014 to 15-June 2016)Â Project Description: Brocade Network OS is a scalable network operating system for the Brocade data center switching product. Brocade Virtual Cluster Switching (VCS) fabrics are self-forming and self-healing, providing an operationally scalable foundation for very large or dynamic cloud deployments. Multi-node fabrics can be managed as a single logical element, and fabrics can be deployed and easily re-deployed in a variety of configurations optimized to the needs of particular workloads.Â Â Responsibilities:Â â€¢ Being the feature owner of REST API automated TCL scripts for CLI configuration in Switches and Router for Networking features (name it) to ensure stabilty.Â â€¢ To ensure access of switches and router via GUI for admins, manually configure the CLI using REST API tools (Postman, Poster, CURL commands, RPC) to test the functionality and report and track bugs

foundÂ â€¢ Automated TCL scripts for l2/l3 features, that configures CLI via NETCONF (Network Configuration Protocol) and to test the functionality and report bugÂ â€¢ Manual Testing for configuration of CLI using NETCONF done using inhouse tool.Â â€¢ Worked on SNMP (SIMPLE NETWORK MANAGEMENT PROTOCOL) on various layer 2 and layer 3 MIBs to monitor the switch activities and stability with SNMP Manage engine MIB browser (GUI) and Netsnmp commands (LINUX)Â â€¢ Tested Implementation of the Simple Network Management Protocol (SNMP agents) for and standard and private MIBs (Management Information Bases) using SilverCreek Authoritative SNMP Test Suite.Â â€¢ Worked in Brocade Preparatory tool BNA (Brocade Network Advisor) to proactively manage end-to-end network health, performance and to troubleshoot.Â â€¢ Regression testing (both Manual and Automation) done across major releases for REST API and NETCONF Manageability protocol to ensure the software quality and new issues hit are reported and tracked.Â â€¢ Perform Soak test on every weekend to analyze switch stress/ error/ bulk configuration handling ability and to identify serious memory leaks, Operating system crash, efficiency /response time issues in dut.Â â€¢ Scalability test done for analyzing the ability to handle maximum users and configuration that has predefined limit.Â â€¢ Troubleshooting scripts for quality.Â â€¢ Reported and tracked bugs using QMS Team track tool, replicated reported customer bugs, verified bug fixes and new functionalities, regression tested new releases, supported developers by examining logs and debug files.Â â€¢ Assisted in training junior automation test engineers.Â â€¢ Environment and functionality issues troubleshooting.Â â€¢ Firmware upgrade downgrade test.

Education

B.E in Computer Science Engineering
SRM Valliammai Engineering College
Chennai, Tamil Nadu
2014

SSLC
St. Theresa's Girls Higher Secondary School
2008

Skills

Perl,python,tcl (3 years)
Virtualization (2 years)
Automation Testing, manual testing (3 years)
SNMP (3 years)
Rest API,Netcong,SNMP,vmware (3 years)

Additional Information

Technical SkillsÂ â€¢ Protocols: NETCONF and REST APIÂ â€¢ Tools: SNMP Manage engine MIB browser, NETSNMP, In-house tool - netconf, Silver creek SNMP tool, Wireshark, Colasoft Packet Player/builder, Postman tool (rest api)Â â€¢ Virtualization: ESX, KVM, VMware vsphere client 5.0, VMware vcenter serverÂ â€¢ Traffic Generators: IXIAÂ â€¢ Languages: TCL, Perl, pythonÂ â€¢ Brocade devices: Callisto, Carme, CASTOR, Mercury M4, and Mercury M8, VTM Hermes (check), ADX, VADXÂ â€¢ Bug Tracking: Jira, QMS teamtrack.Â â€¢ Code view and Review: Atlassian Crucible and FishEye

Updated: 23 April 2018