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| |  |  |  | | --- | --- | --- | |  | Manasa Saddala  **QA Engineer**    Email Id: [manasa.saddala15@gmail.com](mailto:manasa.saddala15@gmail.com)  Phone no: +1 (614) 822-6681 |  | | |  |  | | --- | --- | |  |  | |  |

**Career Summary:**

* Experienced IT Engineer offering 10+ years of success with diverse experience in networking QA (Manual and Automation) across Networking, Virtualization, Cloud computing, Storage networking, WAN optimization, and Python Automation.

**Major Skills:**

* **Networking QA--**Good understanding of networking concepts including TCP, VPC, NAT, Subnet, DNS, Gateway, and Routers and Virtualization concepts.
* Worked extensively on **Cloud Computing**, **Wan optimization**, VPC, SSL, IPSEC VPN.
  + Citrix products: **Cloud stack, WanScaler, Xen App, Xen Desktop, Xen server.**
* **AWS Cloud Services –** Knowledge of AWS Cloud and its features that include IAM, EC2, VPC, ELB, S3, RDS, EBS, Volumes and Snapshots, Cloud Watch, CloudTrail, Elastic Beanstalk, Autoscaling, Lamba services, CodePipepile, CloudFormation, DynamoDB.
* **DevOps** – Experience in version control systems like GIT and having knowledge of Jenkins.

Involved in setting up JIRA as defect tracking system.

* **Automation/Scripting**– Python.
* Experience in creating test scripts using Python.
* **Protocols—**OSPF, RIP, FTP, HTTP, HTTPs, DHCP, DNS, NAT, Telnet, VRRP, Clustering.
* **Hardware Used--** Nokia IP Security Devices, Citrix WanScaler Products, Citrix XenDesktop, Citrix Xen App, Citrix CloudPlatform.
* **Tools and Utilities:** Fire drill (Checkpoint traffic generator tool), Iperf, MAPI traffic generator.
* **Monitoring tools:** Wireshark
* **Bug Tracking Tools:** Team track, Bugzilla, Jira
* Well versed in **Agile** methodology.
* Experience in troubleshooting issues in Production environment, customer issues and customer upgrades
* Continual pursuit of the latest technologies, tools, and methodologies.

**Accreditations:**

* AWS Certified Cloud Practitioner

**Experience:**

**QA Engineer |CBRE (USA) Oct 2022 – Till Date**

As a QA engineer, I was responsible:

* Analyzed the Business Requirement Document (BRD) and Functional Specification documents (FSD) to prepare Test Cases based on the Test Plan and Use Cases and attended Reviews meetings to better understand the applications.
* Participated in walkthroughs with Team lead, System Analyst, Project Coordinator, and the Development team to discuss the outstanding defects and scope change requests.
* Assist Business Analysts with business requirement gathering, refinement, and documentation.
* Developed Test Plans, Test Cases, Test Scripts using Python based on the Functional Requirement Specifications.
* Worked in Agile, scrum to change the requirements and features set.
* Performed functional, regression and Smoke testing on the front-end application.
* Created test cases to perform different types of testing such as positive/negative, functional/regression, interface, black box, screen navigational testing, Load, Performance, smoke/sanity testing, exploratory testing, or Backend testing.
* Meet with product owner and project stakeholders about project progress.
* Perform Test Design and test execution process in an extremely fast paced AGILE development environment.
* Closely coordinates with both Dev and Ops regarding testing practices and ensuring quality thresholds are met.
* Performed compatibility testing with various confidential mobile handsets to ensure that functionality works fine.
* Involved in the user acceptance testing to make sure that the application works according to the client requirements.
* Debug test failures, work closely with other software development teams, and report software bugs in Jira.
* Partnered with developers in an Agile release environment and actively participated in SDLC process.
* Attended sprint planning, daily scrum, retrospective, and clients’ demo.

**Test Environment:** Mobile APP, Jira, Git Hub

**Senior Product Test Engineer| Citrix R&D, India |Apr 2015 - Feb 2018.**

Cloud Platform is a multi-hypervisor, multi-tenant, high-availability Infrastructure as a Service cloud management platform. It is software that provides a cloud Orchestration layer, giving automation of the creation, provisioning, and configuration of IaaS components (such as virtual servers). Citrix CloudPlatform turns an existing virtual infrastructure into a cloud-based infrastructure as a Service (IaaS) platform. The fact Citrix Cloud Platform leverages existing infrastructure means that the cost and time for an organization to build a multi-tenant IaaS platform is greatly reduced.

* Manual and Automation testing of Cloud Platform Features on various hypervisors –
  + - Xenserver, KVM, Hyper-V and VMware.
* Automating Test scenarios, Customer cases using Python.
* Build the scripts for regression testing.
* Study customer’s production environment and internally test the upgrade between releases in customer like environment.
* Tested following Cloudstack features – Clustered Management, Shared Networks, Volume Uploads, Storage Migration, Virtual Router Redundancy, VPN, VPC, Snapshots, Upgrades.
* Verification of Apache Cloudstack commits on CCP, Customer DB Upgrades.
* Used Git and GitHub as Version control system.
* Worked on Cloud platform integration with XenDesktop.
* Conduct Test Plan reviews for the new features and sign off with Development team before the Test execution.
* Perform product quality by creating defects and track for the proper closure using JIRA by not causing any regression failures.
* Worked on Test Plan for New Feature and Documentation Review.
* Planned release schedules with agile methodology and coordinated releases with engineering SQA for timely delivery.
* Prepared the Traceability Matrix as a part of Test cycle.

**Test Environment:** Citrix CloudPlatform, Python Scripting, Git, Jira.

**Senior Software Test Engineer| CSC | Client: Citrix | April 2011 - Mar 2015**

Citrix Wan scalar, Branch Repeater (Network Optimization Device) Citrix Net Scalar makes applications and cloud-based services run five times better by offloading app and database servers, accelerating app and service performance, and integrating security. Deployed in front of web and database servers, Net Scalar combines high-speed load balancing and content switching, data compression, content caching, SSL acceleration and network optimization and application visibility and application security on a single, comprehensive platform. With Branch Repeaters in the network, end users in the branch office will experience LAN-like application performance over the WAN resulting in accelerated application response time.

* + Functional Testing of Cloud Bridge Platforms covering Features such as Compression, Acceleration, Flow Control, Qos, Traffic Shaping.
  + Worked on Modules like HTTP Caching, WanScaler Client testing, MAPI encryption.
  + Reviewing IT Design documents and preparing Test Plans for all assigned project releases.
  + Verifying compression, acceleration and cross protocol optimization using Citrix products.
  + Testing of Cloud Bridge Platforms using various Protocols such as FTP, HTTP, CIFS, IPERF, MAPI, ICA, and HTTPS.
  + Tested applications compatibility on different platforms (Windows, Linux, Mac OS), browser versions (IE, Firefox, Safari, and Chrome).
  + Interoperability Testing across various other Citrix Products such as Access Gateway, NetScaler, Receiver, Xen Server, Xen App & Xen Desktop.
  + Configured all the required servers like Exchange server, Share point server, IIS server for testing.
  + Generating bug trace files, crash dumps for bug analysis. Submitting bug reports and verifying bug fixes.
  + Worked with JIRA for test case management, defect management, test reporting, and other functions. Also used Bugzilla for defect management.
* Designed python scripts to implement test sequences and reuse existing python scripts.
* Troubleshooting and debugging the python scripts.
* Writing python scripts for stress testing.
* Covered Functional, Regression, Sanity, Scalability, Performance Testing in the Test Cycle.
  + Prepared documentation on new features like HTTP Caching, XenDesktop.
  + Conducted Knowledge Transfer and Training Sessions for new Team Members.

**Test Environment:** Citrix Cloud Bridge, Citrix WanScaler, Python, Jira

**Software Test Engineer| Tech Mahindra (Satyam Computers Services) | Client: Nokia**

**Jan 2007 - Apr 2011.**

Nokia provides secure, reliable IP Security appliances that combine best of breed software on purpose-built platforms featuring Nokia IPSO, a security specific operating system. Nokia operating system IPSO allows remote management of individual security devices. With Nokia Network Voyager, secure command line interface (CLI), and Complementary SNMP Capability engineered into IPSO, Nokia can deliver superior element management capabilities for Nokia IP security products**.**

* Worked on Modules like VRRP, clustering, Nokia SecureXL Nokia horizon Manager.
* Understanding the Functional Specification documents.
* Tested manageability of the Nokia platforms using Nokia horizon manager (NHM).
* Design development and execution of test cases and test plans for NHM module.
* Writing and prioritizing the test cases according to the requirements.
* Prepared the test bed for VRRP, clustering modules.
* Worked on switches to configure the VLANs.
* Worked on protocols like OSPF, NAT, Vlans and SNMP.
* Done root cause analysis for the bugs.

**Test Environment:** Nokia Routers, Bug Zilla, Team track

**Other Details:**

**B. Tech.,** Electronics and Communication, Jawaharlal Nehru Technological University, Hyderabad June 2006, First Division.