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Software Engineering Professional

Results-driven Software Engineering Professional with 10+ years of experience in QA and automation of virtualization and storage products including Cloud products (AWS). Proven ability in QA/testing life cycle right from developing test strategies to creating test plans, test cases, execution, and delivery.

Areas of expertise include:

Quality Assurance | Software Development in Test

Automation | CI/CD | Release Management | Configuration | Bug Tracking

Problem Solving | AWS Cloud Services | Microservices| Mentoring Team Members | Stakeholder Coordination

Professional Experience

**Member of Technical Staff - 3** | VMware| Bangalore, India| Aug 2017 – Mar 2021

Worked on both VMware Tools and VSAN during tenure with responsibility for end-to-end product testing, release activities, automation, CI/CD, manual testing, bug tracking, and more as part of the Technical Staff team.

**Key Responsibilities & Accountabilities**

* Product QA Lead for all owned past and present VMTools releases.
* Ensured quality in code deliverables with exhaustive test automation; performed testing on all supported vSphere ESXi and GOSes on Windows, Linux (SLES, RHEL, and UBUNTU).
* Drove CI and CD activities for VMware Tools feature test cases; engaged in feature ownership testing, test planning, scheduling, and implementation.
* Designated QE for publishing VMware Tools deliverables on VMware official website on GA.

**Key Achievements and Initiatives**

* Applied Python for automating test cases for new features leading to reduction in the manual time taken by 50%-70%.
* Configured build tools for testing using Jenkins; built CI/CD pipeline for managing test infrastructure and reduced the testing cycle timelines.
* Addressed customer’s security issue with VMware product; collaborated with Dev team and coordinated for repro and validation of the fix. Led the QA team for shipping:
  + Organization received appreciation from the customer for the resolution.
* Initiated daily testing while working on VSAN; configured daily build jobs for VSAN health feature.
* Managed products Appdefence and Horizon View as part of VMware tools interop with the two products.
* Led product branch testing which involved testing of interoperability of VMware vSphere main branch daily builds for VMware tools releases.

**Stakeholder Coordination**

* Liaised and coordinated with multiple teams and stakeholders including Development teams, Interop teams, and Release Managers for seamless feature testing, bug analysis, reproduction, fix validation, regressions, releases, and more.

**Awards & Recognition**

* Received appreciation for effectively managing Tools release from VMware Tools Dev team and a Spot Award.
* Received monetary award for testing VPLEX hardware migration from older VS-1 to advanced VS-2.
* Earned Bronze Award for contribution towards file feature quality and handling of VIPR QE.

**Senior Software Engineer** | Dell EMC| Bangalore, India| May 2016 - Aug 2017

* Worked on project ViPR Controller (File Systems) in terms of QE and automation using Java (REST API) of filesystem failover/failback for Isilon and NetApp with ViPR Controller.
* Engaged in the overall testing life cycle – creating test plans, test cases, and automation of various file features; identified and resolved the bugs and automation issues:
  + Reduced the time taken for testing by nearly 50% via automation.
* Involved in designing review of the new features to be supported including identification of the test scope and approach.

**Member of Technical Staff - 2** | NetApp| Bangalore, India| Sep 2014 – May 2016

Worked on project - SAN Host Interoperability (Host Operating System: VMware ESXi).

* Tested data ONTAP base feature sets; ensured interoperability between storage data, fabric, and hosts, automated test bed set up, fault introduction, and other basic operations leading to minimization of manual interventions.
* Tested file systems of different flavors of Linux, Windows, and Solaris Guest OS on ESXi against IO loads, IO tuning, disk timeout, Lun move, array controller panic, cable fault scenarios, and Non Disruptive Upgrades.
* Involved in testing of various VMware ESXi features, VMware vVol features, and NetApp VSC.
* Gained knowledge of modular approach of NetApp test automation framework and useful libraries, NetApp Clustered Data ONTAP architecture and working.
* Completed the defect life cycle to resolve a fix; uncovered bugs, performed initial triaging and investigation.

**Senior Software Engineer** | Mphasis| Bangalore, India| Aug 2013 – Aug 2014

* Worked on projects - HP 3PAR SRA Testing with VMware Centre and VMware SRM and HP Store Once.
* Designed test plans, test cases, prepared test beds, logged/re-produced defects, automated process of copying build from build server using Perl and automated test cases of SRA with SRM.
* Engaged in performance testing, debugging, compliance with Agile process and QA process, and more.

**Systems Engineer** | TCS| Bangalore, India| Nov 2010 – Aug 2013

* Worked on projects - EMC V-PLEX Testing, EMC Replication Manager/EMC Recover Point Testing, and EMC VPLEX Interop Testing.
* Executed system/feature test cases, logged defects, configured backend array, qualified the behavior of MSCS on VPLEX distributed volumes, worked on customer/QE defects, and more.
* Set up various hosts with Replication Manager and Recover Point, installed applications for Oracle 11g to test replication, tested various operations on array of different vendors, analyzed the customer defects, etc.

Education

**B.E – Computer Science** | VTU | Belgaum, India | 2010

Technical Skills

**Technical Area**: Quality Assurance | Automation | Test Framework

**Cloud**: AWS Fundamentals

**Scripting Language**: Python

**OS**: VMware ESX 6.x/7/x | Windows |Ubuntu | Linux

**Hardware**: Dell/Cisco/IBM Models of Servers | EMC Vplex | EMC Recover Point

**Storage Arrays**: NetApp FAS Models | EMC Isilon | VNX | VNX Unity | HP 3 PAR

**Software**: NetApp Clustered Data ONTAP | VMware SRM/Workbench | EMC Replication Manager | EMC Power Path | HP 3PAR Storage Replication Adapter

**Databases**: Oracle 11G IO tools: IO meter/datatest