## Madhuri

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4.2 years of professional experience mainly in Quality Engineering, ensuring the quality of **Cloud platform** products through automation. Currently working as **Software Engineer** in **EMC Corporation**

# PROFESSIONAL OVERVIEW

### Technical skills

* Good Knowledge on Virtualization and Cloud Computing Platforms
* Worked on cloud computing models **IAAS**
* Good knowledge on **VMware VSAN**
* Good Knowledge on **VMWARE NSX**
* Experience on writing scripts using **Python.**
* Experience on integratingPython with **Robot Framework** and using it
* Working on ESX functionalities like Snapshots, Cloning, Templates, Resource pools, V switches, Vmotion, Svmotion, virtual machines, **VCenter server** and vi-client etc.
* Around 2 years of experience in Agile development (have played various roles)
* Working on virtual machines (Ghost OS installation), **ESX installations**.
* Hands on experience on functionalities like **Cloning, Templates and Snapshot**
* Experience on storage domains **DAS, NAS** and **SAN**
* Good knowledge on **RAID**.
* Experience on storage protocols **SATA, SCSI, SAS, ISCSI** and **FC.**
* Knowledge on testing, **Test cases, SDLC and Bug life cycle**.
* Good knowledge on **Linux**.
* Configuring Exchange Setup **DAG** and **CCR.**
* Managing **HYPER-V.**
* Creating VMs on Hyper-V and configuring **VFC.**
* Managing and Configuring backup tools **HP Data Protector, Symantec Backup Exec, Symantec Net backup**
* Good knowledge on **Zoning** and **Multipathing.**
* Hands on using **REST API.**
* **Experience on 3PAR remote copy feature.**
* Worked with HP SAN Storage Devices **(MSA, EVA, Store Once, store virtual and 3PAR**.

Exceptional communication, collaboration & team building skills with proficiency at grasping new technical concepts quickly and utilize the same in a productive manner

# WORK EXPERIENCE

* Having around 4.2 years of experience with following companies

1. **EMC corporation** ( from June 2016 to till now)
2. **HP India STSD**(Dec 2012 to May 2016)

Payroll:

**Master systems and technologies** (Dec 2012 to May 2016)

# EDUCATION QUALIFICATION

* B.Tech from **Prakasam College of Engineering & Technology** JNTUk-2010 with 65%.

# TECHNICAL ENVIRONMENT

**Platform** : Vcloud and AWS cloud

**Virtualization** : vSphere 5.x and later and Microsoft Hyper-V

**Storage Domain** **:** DAS, SAN and NAS.

**Protocols** **:** SATA, SCSI, iSCSI, FC and SAS.

**OS :** Windows 2K3, Win2K8, wind2k12r2 and VSphere 5.x and later.

**Tools** **:** IOzone, Iometer, ALM, Bugzilla, GitHub, [Atlassian](https://www.atlassian.com/) Suite–JIRA / Bamboo/ Bit-bucket, Zephyr

**Languages** : Python and Robot framework

# PROFESSIONAL EXPERIENCE

**Project 1: Enterprise Hybrid Cloud**

**Environment** : VCloud, Vmware – vRealize Suite, VMware Platform (ESXi5.1, ESXi5.5, ESXi6.0)

**Hardware** : VXRAIL

**Technology** : Cloud Computing

**Model** : IAAS

**Automation** : Python Scripting

**Designation :** Test Automation engineer.

**Description**

EMC Federation Enterprise Hybrid Cloud is a reference architecture for a storage platform that integrates public and private cloud storage. The architecture is composed of technologies from EMC’s Federation -- the group of EMC’s main storage businesses as well as VMware and Pivotal. Federation Enterprise Hybrid Cloud uses EMC storage hardware and EMC ViPR software to virtualize that storage. It also makes use of VMware’s vCloud public cloud platform automation and management capabilities, and technology from Cloud Link for encryption and security. Users can access, provision and manage the platform through a self-service portal. The key features involve providing IT as a service, mixing private and public clouds, Data

Protection with proprietary Recover Point software. Using VMware’s VRO (Vmware VRealize Orchestrator), user can create blueprints and provide catalogue services to create virtual machines.

These machines can be protected using Recover Point and can be synced across sites at different geographical locations.

**Responsibilities**

* Automation Testing - Writing Automation scripts to programmatically call the REST APIS and validating the results
* Link the Python scripts to ROBOT keywords and add the scripts in to the existing Unit Test automation framework
* Breaking down the stories to tasks for execution
* To plan and setup test environment based on the requirements and features of EHC software
* Write and execute test cases
* Performing different types of testing such as Functional, Regression, and System Testing

**Project 2: Recovery Manager for Exchange**

**Designation :** Test engineer.

**Environmen**t **:** Exchange 2010 with windows 2008 r2.

**Tools used :** Exchange Load generator.

**Description:**

HP 3PAR Recovery Manager Software for Exchange intelligently creates and manages Exchange aware snapshots. From these snapshots, administrators can quickly restore (or non-disruptively back up to tape) Exchange instances or databases for near-continuous data protection. Recovery Manager for Exchange is built on HP 3PAR Virtual Copy Software, a copy-on-write utility that supports hundreds of reservation less read/write copies of a given volume. Because of this, scores of snapshots can be kept online economically—allowing for extended or frequent Exchange database recovery points.

HP 3PAR Recovery Manager Software for Exchange integrates with HP 3PAR Remote Copy Software Asynchronous periodic mode to deliver a disaster recovery solution that guarantees data integrity and application-consistent snapshots on the remote site. Specifically, when users want to sync up the data from a production site to a secondary site, Recovery Manager for Exchange will leverage the VSS framework to freeze the I/O on the application level, then ask the VSS provider to take a snapshot of the specified database and log volumes. Once the snapshot is taken, Recovery Manager will invoke Remote Copy to perform synchronization with the target volumes at the secondary site. After the synchronization, the target server connected to the HP 3PAR Storage System at the secondary site creates a virtual copy on the remote copy target volumes and saves the information in its repository, providing an application-consistent recovery point on the secondary site.

### Responsibilities

* Involved in preparation of test cases, execution of test cases, bug reporting.
* Installing Exchange and configuring Setup (Dag).
* Involved in regression testing.
* Involved in trouble shooting.
* Involved in Review meetings and defect meetings.
* Interacted & discussed with development team on the failures that occur during the run as well as for the defects reported.

**Project 3: Recovery Manager Central**

**Designation** : Test engineer.

**Environment**  **:** Cent OS, ESX 5.5, ESX5.1

**Tools used** : Iometer

**Description:**

### HP StoreOnce Recovery Manager Central software integrates HP 3PAR StoreServ primary storage with HP StoreOnce Backup Systems to provide a converged availability and backup service that offers an alternative to traditional backup software combining the performance of snapshots with the protection of backups, RMC (HP StoreOnce).Recovery Manager Central) enables fast, efficient, reliable, and simple protection for your business-critical applications.RMC leverages HP 3PAR StoreServ snapshot technology and HP StoreOnce Catalyst to provide a scalable backup system. This backup feature facilitates direct backup of HP 3PAR StoreServ snapshots to HP StoreOnce Backup Systems without the need for third-party backup software.Data protection cannot be achieved with snapshots alone. Snapshots backed up on HP StoreOnce Backup Systems are self-contained volumes that can be restored back to the original or different HP 3PAR StoreServ arrays in the event of a disaster. All backups are deduplicated using StoreOnce technology. The RMC Scheduler provides automated snapshot creation on HP 3PAR StoreServ and automated snapshot backups directly to HP StoreOnce Backup Systems.

### Responsibilities

* Installing and configuring ESX servers, virtual center.
* Creating iSCSI LUNs, FC LUNS and mapping them to ESX servers.
* Deploying OVF, Configuring the Test Setup as per the requirement.
* Involved in writing Test Cases.