**SOUMYA RANJAN PATRA**

EmailID: spatra273@gmail.com

Mobile: 8892490230,9008546136

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| Career Objectives |

Seeking a challenging position in **QA** with **Automation expertise** in a leading corporate of hi-tech environment where I can get the scope to work on cutting-edge technologies and tremendous growth opportunities while aligning my goals with that of the organization and making significant contributions towards the organization's growth. Always eager to learn new skills and apply them in an efficient manner for the enhancement of organization as well as self.

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| Professional Summary |

* 9+ years of experience as a **Quality Assurance Engineer** in **Software Storage** & **Product** testing.
* Currently working as QA Engineer in Harman Connected services.
* Worked as **Staff Developer**, Automation **QA** in **Tegile Systems,** responsible for **framework development** for QA and **Performance Testing.**
* Worked as **Quality Engineer** at **EMC Corporation** for 1.9 yearsandwas responsible for functional testing of **Remote Replication** feature of **Symmetrix** (VMAX).
* Worked as **QA Engineer** in **Mindteck India Limited** for 4.5 years and responsible for automating various features of **ONTAP** (NetApp Product) and product testing.
* Exposure to **RESTAPI** Automation Testing using **Python** and **Perl**.
* Have worked on **NFS, RAID, WAFL** areas under **NetApp** projects.
* Framework Development for QA using Object Oriented **Python** and **Perl**.
* Hands on experience on **iSCSI** and **FC** technology with exposure **Mapping** & **Zoning** on switches.
* Hands on experience on various versions of NFS like **NFSv3, NFSv4** and **NFSv4.1**.
* Knowledge on different file systems like **ZFS, WAFL**.
* Very good Understanding of various storage efficient products of WAFL like **Deduplication, Compression, Continuous** segment cleaning and back up technologies of WAFL like **snapshots, clone**.
* Exposure to **VMotion**, **SVMotion**, **Virtual Switch** on VMware Environment.
* Good understanding of **Basic Networking** and **SNMP** protocol.
* Involved in test planning and exposed to writing test cases for scenarios.
* Hands on Exposure to **vCenter, Jira, Perforce and Mercurial**, **Jenkins**
* Good understanding of **Cloud Services (AWS).**

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| Technical Skills |

**Storage domain knowledge : NAS, SAN, RAID**

**File System : WAFL, ZFS**

**Storage Protocols : NFS, iSCSI, SCSI**

**OS : RHEL, Solaris, Ubuntu**

**Test Management Tools : Burt**, **ALM 11.0**, **Jira**

**Version Control Tools : Perforce, Mercurial**

**Languages : Perl, Python, shell scripting, Core Java**

**IO Tools : vdbench**

**Automation Tools : Selenium**

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| Educational Qualification |

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| **Examination** | **School /College** | **Board/University** | **Year of Passing** | **CGPA/Percentage Secured** |
| **B.Tech** | NMIET | Biju Patnaik University of Technology, Odisha | 2010 | 7.6 CGPA |
| **12th** | JKBK Junior College | Council of Higher Secondary Education, Bhubaneswar | 2006 | 73 |
| **10th** | Kalinga Public School | B.S.E, Odisha | 2004 | 83 |

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| Projects Profile |

**HARMAN QE – Regression Testing for VCenter (VMWARE).**

**Description:**

This project is responsible for validation of vmmobility feature on different releases of VCenter and ESX. It uses TESTNG framework to automate the test cases using Core JAVA.

**Responsibilities:**

* To monitor the regression tests and report defects for vmmobility feature.
* To automate tests and fix the test ware defects when found.
* Perform Adhoc testing.

**Operating Systems** : Windows, Linux, Solaris.

**Duration** : November-2019 to Till Yet.

**Tegile QE – Automation Framework Development and Performance Testing.**

**Description:**

The project is responsible for Framework development and automation of manual tests in Perl. It covers all the functional teams testing (protocols, file system and platform). It’s done using RESTAPI and cli commands. It is based on both procedural and Object Oriented Perl using which the manual cases are automated and used for regression testing and Basic verification testing.

The performance testing includes measurement of performance of different protocols (NFS, ISCSI, FC) on Tegile Platforms. Responsible for checking the performance of the protocols and have automated the processes using Perl and rest API.

**Responsibilities:**

* To find the requirements of the existing framework and to add libraries to it.
* To automate the tests for functional team and to train them for automating tests.
* To execute the performance test cases.
* To check the unexpected behavior of the product and to raise bug if any unexpected result is obtained.
* To automate the existing manual steps of performance using Rest Api.

**Operating Systems** : Windows, Linux, Solaris.

**Duration** : Jun-2017 to November 2019.

**EMC QE – RDF Testing on VMAX3(SYMMETRIX)**

**Description:**

The goal of the project is testing of the RDF **(remote data facility)** feature on the symmetrix hardware with every new realease of the OS called Hypermax (Enguinity). It consists both manual and automation execution. Automation is done using smartbuilder which is an inhouse tool of EMC Corporation. The testing includes different modes of

RDF functionality to be compatible with the symmetrix hardware with various types of scenarios which will be effective for efficient data storage.

**Responsibilities:**

* To Independently test the feature of rdf tests and raise OPT in case of any issues.
* To automate the manual tests using the smartbuilder tool and review the tests.
* To write test cases and test plan for different releases.
* Also involves in regression testing, fix testing and adhoc testing.

**Operating Systems** : Windows, Linux.

**Duration** : Oct-2015 to Jun-2017.

**NetApp QA Automation & Regression – WAFL PERFORMANCE**

**Description:**

The aim of the Project is to automate Test Cases featuring WAFL Performance using NACL Framework to make the test cases compatible with the different versions of Data Ontap and also to validate the existing test scripts.

The process also includes running of regressions suites in the latest patch releases and to raise the script and product burts. Also, to fix the script burts those are raised during the process. To run the FBOT update the results in ALM.

**Responsibilities:**

* To Independently Estimate, Automate, FIX and Test the Test Cases using NACL Framework that can validate the specific behaviour of the WAFL Performance.
* To Modify Perl modules related to the NACL framework and fix issues for internal and external Queries.
* To do manual testing of certain features in order to ensure expected product behaviour.
* To Fix the script or the library related bugs raised by the team.
* To execute the regression suite on the new releases and update the results in ALM.
* To log BURTs in case of any unexpected product behaviour during testing.
* To update the TC details along with the logs onto the Application Lifecycle management (ALM), test case tracking tool.

**Operating Systems** : RHEL.

**Duration** : Aug-2013 to Sep-2015.

**NetApp QA Automation & Regression– WAFL COMPRESSION**

**Description:**

The aim of the Project is to automate test cases featuring WAFL Compression using NACL Framework to make the test cases compatible with the different versions of Data Ontap.

The process also led to discover some of the product related bugs for which a change request would be raised with the Product team. The task also requires to modify the framework in order to incorporate the new features as well as modifications brought by newer releases of Data Ontap. The aim of the project is also to fix the existing bugs of the already automated scripts based on the feature of WAFL Compression and to make them compatible with the different versions of Data Ontap. Also the project contains regression testing.

**Responsibilities:**

* To Independently Estimate, Automate, FIX and Test the test cases using NACL Framework that can validate the specific behaviour of the WAFL Compression.
* To Modify Perl modules related to the NACL framework and fix issues for internal and external Queries.
* To do manual testing of certain features in order to ensure expected product behaviour.
* To log BURTs in case of any unexpected product behaviour during testing.
* To update the TC details along with the logs onto the Application Lifecycle management (ALM), test case tracking tool.

**Operating Systems** : RHEL.

**Duration** : November-2012 to July-2013.

**NetApp QA Automation – NFS and RAID.**

**Description:**

The aim of the project is to automate the test cases related to raid and networking in order to test and validate the various aspects of the storage system OS called the Data Ontap. The process also led to discover some of the product related bugs for which a change request would be raised with the Product team. The task also requires to modify the framework in order to incorporate the new features as well as modifications brought by newer releases of Data Ontap.

The project also includes fixing the existing bugs of the already automated scripts based on the feature of service processor and to make them compatible with the different versions of Data Ontap.

**Responsibilities:**

* To Work as Perl Developer in the core team.
* To Independently Estimate, Automate, FIX and Test the test cases using NACL Framework that can validate the specific behaviour of the software RAID and versions of NFS on varied Hardware Platforms.
* To do manual testing of certain features in order to ensure expected product behaviour.
* To Handle client communications and to co-ordinate with the Product team in relation to queries.

**Operating Systems** : RHEL.

**Duration** : May-2011 to October-2012.

Place: Bangalore (Soumya Patra)

Date: