

Akshata B C

Mobile: +91-7795243172

E-mail: akshata061995@gmail.com

Objective

To be positioned as Embedded testing Engineer seeking an opportunity with an establishing organization that offers challenge and career advancement and to gain practical experience to strengthen my knowledge base.

Academic Qualification

- B.E in ECE from Government Engineering College, Haveri. VTU Belgaum (Year-2016)
- S.S.L.C from KLE's Sri Raj-Rajeshwari High School, Ranebennuru (Year-2010).

Experience Summary

- Testing Storage controller firmware behavior and its associated new features in each test cycle.
- Had very good experience in writing test plans, test cases, test matrix and test procedures. (Drive firmware flashing test plan, Unsupported drive test plan, Brazos bend test plan)
- Bug reporting, JIRA tracking and closing in PMC PREP defect management tool (PMC internal tool).
- HPE and Channel Controller Firmware validation, Testing all the features of Smart Array controller i.e., Acoustic, All RAID Levels features, Volume expansion, Cache.
- Validating storage features with all type of RAID levels (Drive Rebuild/Expansion, Spare concept, Cache memory, Green Backup Drive movement, UEFI POST, SSD Features testing, AIO Writes, Drive Firmware flashing, Controller Firmware flashing etc..).
- Validating different type of storage controller with different enclosure (D3700, D3600, D3610, D3710)
- Testing Universal Backplane (UBM), UBM 1, UBM 2, UBM 3 and UBM 4
- Worked on PBSI, Storlogger and Chip link tool.
- Running various kinds of stress tests on the Storage driver using IO Meter, FIO, Disk stress, VDbench, Medusa and odyssey.
- Experience in Test bed setup & configuration of on all HP server features (ML, DL, Blade servers) and functionalities, HP Storage Arrays, HBA and Channel Server (Dell, Super micro, Cisco, Huawei, Inspur and H3C).
- Hands on experience on HPE server's and Channel Server remote administration.
- Experience on **identifying issues**, de-bug and troubleshoot and re-produce the issue scenarios works with Development groups to identify and resolve problems.
- Experience on **creating Virtual Machines** on VMware ESX 6.0/5.5 OS to configure, deploy and administrate.
- Knowledge in LINUX (RHEL6, RHEL 7) and Windows (Win2019, 2k22, 2k16)
- Knowledge in Automation testing tools like AATF, ATV and TG Tool
- Very good experience in Analyzing the triage pending test failures.
- Worked on Automation Configuration and installation of Various OS and AATF (RHEL, Windows and VMware)

Professional Experience

- **Company** : MPHASIS LIMITED.
- **Client** : MICROCHIP
- **Designation**: Embedded Testing Engineer.
- **Duration**: 02/2019 to till present.
- **Description**: Scope of this project is to Validate Storage controller firmware across all storage controllers on various HPE storage boxes and Dell and Supermicro storage boxes. With the available compatible firmware's and drivers validating the controller firmware by configuring different RAID levels to test various features and different flavors of OS.
- In this project we are mainly testing smart array feature on different SAS controllers with different servers like HPE ProLiant servers (ML, DL & BL) servers and it uses DAS connection and Testing Channel Server (Dell, Super

micro, Huawei, Inspur and H3C). Also, we are testing on different EXPANDER, BACKPLANES and HP storage boxes like REVEILLE and MSA.

Roles and Responsibilities

- Testing complete functionality of HP smart array firmware.
- Testing Channel Server (Dell, Super micro, Huawei, Inspur and H3C)
- Complete responsibility for Sanity testing, Regression testing, and new feature testing.
- Preparing Test Strategy, Test Estimation and Test report sheet for the test execution.
- Preparing test bed setup with various combinations of HP smart array controller, HP Expanders and HP servers.
- Testing complete functionality of embedded storage controller driver.
- Report Daily status, weekly status to Manager and Onsite team.
- Write Bug with 100% accuracy and raising a quality issues in JIRA bug report tool.
- Providing a test bed setup to the developer for debugging issues.
- Tracking Bug on daily basis for any updates and closing the bug with complete details on time.
- Started working on developing scripts using Python programming Language.

Hardware:

- HP Gen 8, HP Gen 9, HP Gen 10 and HP Gen 10 Plus servers, PMC Smart Array controllers, HP Enclosures, HP Drives.
- Channel servers (Inspur, Super micro, Cisco, Huawei, and Dell Servers and Adaptec Smart RAID Controllers.

Software:

- SSAGUI and SSACLI, SSFlash, ILO, BMC, IDRAC, Iometer, Odyssey, FIO, Medussa, AATF, ATV, TGTool, Putty, JIRA, Testrail etc.

Professional Experience

- **Company** : INKNOWTECH PRIVATE LIMITED.
- **Designation**: System Support Engineer.
- **Duration**: 04/2018 to 02/2019.

Roles and Responsibilities

- Installation of Microsoft Outlook and troubleshooting & configuring. Configuration of Microsoft Outlook 365 & Outlook Express, data Troubleshooting hardware and software related issues with laptops, Desktops.
- Updating Desktops and Server Windows Security patches through SCCM server and Monitoring desktop patch updates and troubleshooting compatible problem.
- Installation and management of McAfee Antivirus. Updating Antivirus DATs.
- Identifying and fixing Hardware issues.
- Working with Remote Controlling Software like Remote desktop (RDP).
- Installation and configuration of network printers and Local Printers & scanners.
- Installation of patches, various applications.
- Attending User calls or Requests on the tickets and troubleshooting/Fixing PC problems.
- IT infrastructure project setup completed successfully with zero impact on business.

Internship

Institute : RIIT (Raman international Institute of Information technology)

Course : IMS (Infrastructure Management Services)

Duration : 2017-2018

Industry Relevant Training

Completed training in Infrastructure Management services (Advanced Hardware and Networking, CCNA at RiiIT (Raman International Institute of Informational Technology), Mysore-Karnataka, India. Here, I learnt basic hardware assembling and disassembling, server and client level operation, Networking, Configuration of routers etc.

CERTIFICATION: “Microsoft Globally Certified in Windows Operating System Fundamentals”

Personal Details

Date of Birth	:	18/06/1994
Nationality	:	Indian.
Languages known	:	English and Kannada
contact No	:	+91 7795243172
Mail ID	:	akshata061995@gmail.com

Place: Bangalore.

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