

**ANURADHA YADAVALLI**

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Visa Status: USA B1 VISA valid till Jan 2022.

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IT Professional with 13.5 years of experience in Software Quality Engineering -Storage Product Testing with focus on test automation.

Looking for Technical Leadership | Test Automation | SDET | Software Product Management | Technical Program Management

- Worked as Technical Manager at Synapse Designs Inc., deployed as Storage QA Lead at SanDisk- a Western Digital brand.
- Worked as Lead - Technical Staff, Storage Python Test Automation Engineer at Graphene Semiconductor Services Pvt. Ltd.
- Certified on VMWare's Vsphere 6.7 Foundations
- EMC Proven Professional - Certification in Information Storage and Management (ISMv2 from EMC).
- Worked with EMC Data Storage Systems (India) Pvt. Ltd, Bangalore as Senior Software Engineer – Functional Test Lead; leading a team to deliver quality artifacts and automation.
- Working knowledge of storage connectivity protocols FC, iSCSI, SAS, SATA.
- Experienced in testing with Storage Management Software, Replication Technology and Backup & Recovery in SAN (Storage Area Network) Environment. Thorough professional, reflecting leadership qualities (Team Size: 6).
- Experienced in Test planning, scheduling, execution and delivery on-time with nearly zero defects.
- Recognized and appreciated for filing High Quality bugs and steering the team. Proactive learner with a flair for adopting necessary trends & technologies. A team player as well as an individual contributor, committed to working with team to achieve project goals.
- Detailed knowledge of testing processes & methodologies and experience with test strategies, test cases design, test cases execution and test metrics collection. Review Requirement Specifications Document under design, Test Plan and documentation. Ability to work with US engineering and management teams.
- Demonstrated QA-Lead.
- Experienced in Flash storage PCIe, NVMe products.
- Expertise in working with SAN array management software (EMC Vmax SymCLI), NAS protocols and HP Back-up software - Data Protector.

**Competencies**

- Agile test planning • Defining test strategy • Test design and development • Metrics definition and monitoring • Requirements Analysis • Presentation & Communication Skills • Technical Team Lead • Project Management

<b>Programming Languages</b>	Python, Perl
<b>Test management Tools</b>	Confluence, Jira, HG, TestLink, Jenkins, VMWare, Hypervisor, EMC Syncplicity, SVN, HTML, CSS, ClearCase, ClearQuest, CodeCollaborator
<b>QA Activities</b>	Test Planning, Test Automation, Test scripts Maintenance, Test Development, Test Execution, Test Monitoring, Test reporting, Triaging
<b>Tools</b>	POSTMAN, IOZone, IOMeter-Dynamo, Curl, Curl-loader, HP Internal tools for NFS and Storage Management ,VSphere 6.7
<b>Database</b>	Oracle, SQL Server
<b>Operating Systems</b>	Windows, Solaris, RHEL, HP-UX, OpenVMS
<b>Testing NAS File Sharing Protocols</b>	CIFS, NFS, HTTP, Cloud Storage for File Server, Performance measurement and monitoring
<b>Storage boxes</b>	SAN- EMC's Symmetrix VMAX Array and SymCLI, HP arrays, SanDisk SSD and NVMe Drives

### Career Path

Synapse Techno Design Innovations Private Limited SanDisk- a Western Digital brand [Contract through Synapse Design Inc.]	<b>Aug 2016- Jan 2019</b> <b>Aug 2016 – Mar 2018</b>
Broadcom Ltd. [Contract through Graphene Semiconductor Services Pvt. Ltd.] Lead - Technical Staff (Storage Python Test Automation Engineer)	<b>Dec 2015 – April 2016</b>
EMC Data Storage Systems (India) Pvt. Ltd, Bangalore Senior Software Engineer – Functional Test Lead	<b>Jun 2011 – Sep 2014</b>
Hewlett Packard India Software Operations, Bangalore Senior Software Engineer	<b>Jan 2005 – May 2011</b>
BaaN (ERP), Hyderabad (Now Infor Global Solutions) QA Associate Software Engineer	<b>Feb 2004 – Dec 2004</b>
Cellexchange, Hyderabad (Now Cambridge technologies) QC Trainee	<b>Nov 2003 – Feb 2004</b>

### Education

**Master of Computer Applications - 2003 - 83% - BIT - DURG, CHATTISGARH**

**Bachelor of Computer Applications - 2000 - 75% - MCRPVV - BHOPAL, MADHYA PRADESH**

### Awards/Recognitions

EMC: Rewarded RSUs (Stock Options) for streamlining the transition work from another team and able to own the tests.

EMC: Received award from other Business Unit for volunteering in their organizational events.

HP Data Protector: During a release of DP, got awarded for filing highest number of defects.

### Project Details

#### **Apr 2018 – Jan 2019**

<b>Project</b>	<b>Synapse Projects</b>
<b>Environment</b>	Raspbian
<b>Storage Box</b>	Raspberry Pi+
<b>Details</b>	Created a prototype IoT device having an embedded Hypervisor and VMs for an infotainment use-case

#### **Aug 2017 – March 2018**

<b>Project</b>	<b>SanDisk's Software Tools Integration</b>
<b>Environment</b>	Windows
<b>Storage Box</b>	SanDisk/WD NVMe drives
<b>Team size</b>	2
<b>Tools used</b>	Puppet, Jira, Confluence, TestLink, TLM, CVF, AVT, Viewer, Failure Analysis Tools, Firmware Validation Suite
<b>Details</b>	SWT team develops and supports various Software tools to enable BUs to deliver high quality products across all products & programs. As part of the Validation Integration Testing, the base lined versions of each dependent tool are taken and the integration is verified.
<b>Roles/Responsibilities</b>	Test requirements gathering, Test case development/automation, Test Planning, Test assignment and execution, Customer engagements.

#### **August 2016 – June 2017**

<b>Project</b>	<b>SanDisk's ION Data Accelerator</b>
<b>Environment</b>	RHEL

<b>Storage Box</b>	All Flash storage system with SAN connectivity.
<b>Team size</b>	6
<b>Tools used</b>	TestLink, Continuous Integration – Jenkins, Bug tool – Atlassian Jira, POSTMAN, JMX, browser developer tool, Mercurial(HG).
<b>Details</b>	ION DATA ACCELERATOR is a new product initiative that intends to deliver an all-flash storage target using PCIe and NVMe drives: ION provides high performance shared storage for initiators using SCSI based protocols such as Fibre Channel, Internet SCSI (iSCSI) or SCSI over (Infiniband) RDMA (SRP). The management interfaces being CLI, REST API and GUI.
<b>Roles/Responsibilities</b>	<ul style="list-style-type: none"> <li>● QA Lead for a team of 6 members</li> <li>● Agile methodology Test Development- Test Plan, Test cases, Execution</li> <li>● Test automation in Python using the framework.</li> <li>● Qualification of ION legacy and the latest products, documentation verification</li> <li>● Validate all the supported functionality through interfaces – CLI, REST API, GUI.</li> <li>● Triaging Jenkins reports and products bugs.</li> <li>● Process Compliance and reporting test metrics to higher management.</li> </ul>

#### Dec 2015 – Apr 2016

<b>Project</b>	<b>Broadcom RAID controller Test automation</b>
<b>Environment</b>	Windows, Linux
<b>Storage Box</b>	DAS
<b>Details</b>	BroadCom Avago/LSI MegaRAID Controller supports SCSI and SAS physical interconnect technology. This project entails test automation of MegaRAID utilities - StorCLI, StorLib, MSM GUI with SAS and SATA drives.
<b>Roles/Responsibilities</b>	<ul style="list-style-type: none"> <li>● Python based Test Development for Broadcom Server Storage- RAID Controller components.</li> <li>● Initiate and participate in Test automation code reviews.</li> <li>● Preparing and maintaining Test Automation Approach Notes.</li> <li>● Process Compliance of Test Automation with ClearQuest, ClearCase, CodeCollaborator.</li> </ul>

#### Jun 2011 – Sep 2014

<b>Project</b>	<b>EMC Solutions Enabler (Test Execution)</b>
<b>Environment</b>	Windows, AIX, HP-UX, Linux, Solaris, OpenVMS
<b>Storage Box</b>	Symmetrix VMAX
<b>Team</b>	5
<b>Details</b>	The EMC Solutions Enabler (SE) is a host based application. The EMC Solutions Enabler SYMCLI is a specialized library consisting of commands that can be invoked on the command line, CLIs which are used for TimeFinder (local replication), SRDF (remote replication), Array management and Configuration, licensing, security.
<b>Roles/Responsibilities</b>	<ul style="list-style-type: none"> <li>▪ Lead and mentor the team members.</li> <li>▪ Execute functional &amp; Regression testing, Test scripts fixes and maintenance in Perl.</li> <li>▪ Participate in Test automation code reviews, track test automation status of team.</li> </ul>

- Perform Bugs triage. ▪ Bug Reporting using OPT bug reporting tool.
- Test Planning & Scheduling. Prepare QA Metrics for the project status.
- Worked on modules – Local and Remote replication, Group Name Services, Security.

#### Sep 2008 - May 2011

##### **Project**

##### **NAS validation Engineer for X9000 products of HP**

##### **Environment**

- Operating System: RHEL 5.3, Windows
- Database: SQLite3
- Client Tools: S3curl clone, CloudBerry

##### **Details**

X9000 is the Enterprise, Scale-Out Network Storage Systems products line from HP that offers a wide range of protocols for File Access – NFS, LikeWise CIFS, HTTP, FTP and native.

##### **Roles/Responsibilities**

- NAS Validation Engineer: Test Development for X9000's file serving protocols on Windows & Linux:
- Followed the Automation Infrastructure (AI) Framework.
- Cloud Storage:
  - Test Development: Test Plan preparation, Work BreakDown Structure and assigned component ownership; Designed Test Cases.
  - Automated and Refactored Regression Test Suite in PYUnit for the Cloud storage product under development.
  - Unearthed bugs as part of the testing and include in the test framework.
  - Set up the multinode iBrix Cluster on RHEL boxes as test bed for the Cloud Storage or other file serving protocols of the product.

#### Jan 2005 – August 2008

##### **Project**

##### **Data Protector (DP)**

##### **Details**

DP offers the business solutions to Backup and recovery at various level: Local to Continuous Access and also can schedule backups on various media. Data Protector comprises an impressive array of integrated modules like Application Integration, Storage array Agents, Client management, Backup, Media Agents

##### **Roles/Responsibilities**

- Test Engineer for Data Protector HP's Enterprise level Backup and recovery solution.
- Test bed setup and proactively troubleshoot day to day setup issues.
- Worked with development team, Patch team for regression and new features.

#### Feb 2004 – Dec 2004

##### **Project**

##### **CTS (Central Technical Services); IPC ( Installation Portability and Compatibility)**

##### **Roles/Responsibilities**

QA Associate; test bed set-up and configuration of Baan ERP e-Enterprise Products like Baan OWX, e-Services, e-Sales, e-Procurement in the System Testing and Media Verification Phase.

**Languages :**English, Hindi, Telugu and Japanese (Level 4).

**References:** Available on request