**Surya Kumari Godi**

**Sr. SDET**

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**Professional Summary:**

Result-driven Python Automation Engineer with over 10+ years of experience specializing in automation testing, API testing, and infrastructure automation. Proficient in designing robust test scripts using Python, frameworks like Pytest and Robot, and leveraging tools like Ansible and Terraform for infrastructure management. Skilled in simplifying and optimizing testing workflows, enhancing product quality, and ensuring seamless delivery in Agile environments.

* **Around 10+ years** of extensive experience as a **Software Development Engineer in Test** in **Storage, Virtualization, Backup** **and Recovery domains** with all the phases in Testing and development with **Python as a Scripting Language**
* Adhere to the **Scrum Model**
* Experience in **test-case** writing, execution and defect raising
* Experience in designing, developing and enhancing automated test scripts using **Python**
* Experience in **API** testing using **REST APIs** and **JSON** with Python requests.
* Knowledge on **Backup and Recovery Technologies**
* Knowledge on **DAS, SAN, NAS, RAID and VMWare and Hyper-V Technologies**
* Hands-on experience on **Backup and Recovery products**
* Hands-on experience to **SAN Components, Switches, EMC2 Storage Arrays, Hitachi VSP Gx00**
* Provisioning of **Storage, LUN creation, Zoning, Masking and Mapping in the arrays**
* Experience in **VM Creation, Cloning, Migration and Snapshots**
* Experience in **MSSQL server, Oracle instance installations**
* Experience in **Microsoft Failover Cluster creation**
* Experience in working on **Customer issues**
* Extensive usage of Atlassian tools such as **Jira, Bugzilla, Git, Tortoise SVN and Confluence**
* Experience in automating infrastructure provisioning, configuration management, and deployment processes using **Ansible and Terraform**
* Proficient in **Functional, Sanity, Smoke, Regression, Integration, Security, and User Acceptance Testing (UAT)**
* Good understanding of **SDLC, STLC** and **Bug life cycle**
* Good experience in coordinating testing efforts, responsible for test deliverables, status reporting to management and issue escalations.
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and fit well in fast-paced environment

# **Technical Skills:**

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| --- | --- |
| Scripting Languages | Python, Shell Scripting |
| Python Modules | Paramiko, Requests, Pandas, Socket, Subprocess |
| Frameworks | Pytest, Robot, Chimera and VATS (EMC proprietary) |
| Technologies | DAS, SAN, NAS, RAID, VmWare, vSphere Client, HyperV |
| Domains | Storage, Virtualization, Backup & Recovery |
| Monitoring Tools | Nagios, Grafana, |
| Version Control Tools | GitHub, Git, SVN |
| Defect Management Tools | JIRA, CSE spgear (EMC Proprietary) |
| Test Management Tools | TestRail, qTest, HP-ALM-Explorer 11 |
| Operating Systems | Windows, Red Hat, Centos, Ubuntu |
| Databases | MSSQL, Postgres SQL, SQLite, Oracle 19c |
| Arrays | EMC Clarion, EMC Symmetrix, XIO, Hitachi VSP Gx00 |
| Products | Hitachi Ops Center Protector, Carbonite Backup and Cloud Server, EMC Vplex |

# **Certificates:**

* AWS Certified Solutions Architect - Associate (SAA-C03): Validation: f7ccc29ab0b24e6280ceaded850bb186

# **Education:**

* Bachelor’s – Electronics & Communication Engineering

# **Professional Experience:**

## Client: Hitachi Vantara , CA

## Oct 2022 - Present

## Sr SDET

* Involved in test plans, test scenarios, test case criteria and testcases
* Developed test scripts in Python for API, SDKs, and Functional Testing and tested them using the Pytest Framework
* Debugging and maintenance of sanity automation test scripts in batch mode for every release on daily basis
* Iterated rapidly and worked collaboratively with product owners, developers, and other members of the testing team
* Executed End to End Testcases as part of Regression
* Scalability testing and Longevity testing
* Used Terraform and Ansible scripts to create the virtual environments
* Installation of the product on Master and Client machines and tested the functionality using the test scripts
* Creating AWS S3 buckets and storing backups and testing its performance
* Track automation results daily for better performance in testing
* Log analysis and filing the defects
* Code review of teammates
* Creating and Updating stories in Jira
* Followed Agile testing methodology, participated in daily Scrum meetings and tested each Sprint deliverable
* Closed issues and user stories for each release by manual and automation verification
* Trained newly joined teammates and created knowledge transfer materials

**Environment**: Windows, Linux, Python, AWS, S3, Route 53, CloudWatch, CI/CD, Nginx, GIT, Terraform, MSSQL, Oracle, Postgres, Influxdb, Grafana

## Xoriant Solutions April 2019 – June 2022

## Test Engineer , Pune India

* In every sprint (2 weeks) have different targets and challenges to fulfill with daily meetings and follow

up updates

* Writing Test Plans, Test Scenarios, Test Case criteria and Testcases in the TestRail
* Using PyTest framework, writing test scripts in Python for API and SDK Testing
* Executing End to End Testcases
* Running Regression Tests Scripts
* Creating Virtual machines in the Hyper-V and Cloud
* Adding the FC to the VMs and creating host groups, LDEVs/Luns and adding Lun paths
* OS (Windows, RHEL) and Application (MSSQL, Exchange) installations
* Installation of Standalone, Failover Cluster (FC) and Always Available Group (AAG) SQL Servers
* Domain control, Failover Clustering
* Installation of the HDID build and running the automation scripts
* Taking the backups, performing restores and data validations
* Checking for the snapshots and replications in the Storage Navigator
* Log analysis and filing the defects
* Creating and Updating stories and raising Bugs using Jira

**Environment:** Linux, Windows, Python, AWS, S3, SVN Tortoise, GIT, Nagios, SQL, Oracle

## Carbonite Dec 2017 – April 2019

## Software Quality Engineer, Pune India

* Involved in test plans, test scenarios, test case criteria and testcases
* Developed test scripts in Python for API and Functional Testing and tested them using the Robot Framework
* Executed End to End Testcases
* Tested APIs and checked their response codes using the Postman Tool
* Created Virtual machine and configured them as per the requirement
* Deployment of OVA
* Installed the Carbonite Backup Server and Carbonite Cloud Service Server build on the VMs and Registered them to the Data Protection Console
* Created Backups and scheduling them. Created backups with Retention enabled
* Full Backups and Incremental Backups
* Restored Backups by Quick VM Recovery, Restoring to Hypervisor, Download Virtual Disk (VHD, VMDK, VHDX, Flat-VMDK, RAW), File Level Recovery, Mount Virtual Disk, Restore Virtual Disk
* Ran queries in Postgres SQL
* Ran jobs from Jenkins
* Log analysis and filing the defects
* Created and Updated stories in Jira

**Environment:**  Linux, Windows, Vmware, Postman, Jenkins

## Nexii Labs(Dell EMC) , Hyderabad, India

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## Software QA Engineer Dec 2014 – Nov 2017

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* Worked for different teams (Customer Product Engineering, System Testing)
* In every sprint (2 weeks) have different targets and challenges to fulfill with daily meetings and follow up updates
* Worked on the Customer Defects
* Studying the Test Case entry criteria, description, exit criteria of use cases. Analyzing the objective of use cases and creating Test beds to execute them and finding the bugs to file them and to escalate to the Developers on different Build releases
* Developed & ran automated scripts using python frameworks chimera, VATS
* Log analysis, filling product defects and automation defects.
* Troubleshooting, fixing the issues and bringing up the infrastructure
* Executed regression test suites
* Reproducing, Retesting and verification of the Defects
* Document preparation and document reviewing related to EMC Products issues and solution
* Worked pro-actively with LAB teams on configuration and connectivity issues
* Performed NDU (Non-Disruptive Upgrade), Downgrade and Soft configurations
* Worked with Recovery Point Appliances
* Worked with VPlex features like Distributed RAID, Consistency groups Meta-volumes, Migrations (Inter & Intra), Logging Volumes, Cluster witness server (CWS)
* Worked with the replacement procedures of various hardware components like directors, IO modules, etc. of the VPlex product
* Deployed VM’s on ESXI

**Environments:** Linux, VMware