

# HARISH ACHAR D N

Quality Assurance Automation Engineer

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## **Professional Summary**

Productive Automation Quality Assurance Engineer with 5 years of experience, always curious to learn innovative technologies. committed to confirming proper functionality and usability of software products before release. Plans test schedules and strategies according to project scope and delivery dates and monitors and tracks bug resolutions.

## **Key Skills**

- Python
- Kubernetes
- Linux
- Testing
- Automation – python
- SAN – Storage area network

## **Current Profile:**

**Profile - Quality Assurance Automation Engineer**

**Company - Aqua security, India** - Hyderabad, Telangana, India

/2021 - Ongoing

**Domain – Cloud-Native Application Protection Platform (CNAPP)**

**Project - Kubernetes Security Posture Management (KSPM)**

Kubernetes Security Posture Management is a set of tools and practices to automate security and compliance across K8s clusters.

More details about Aqua: <https://www.aquasec.com/>

More details about Aqua's KSPM: <https://blog.aquasec.com/kspm-kubernetes-security-posture-management>

**Roles and Responsibilities:**

- Built automated test scripts to handle repetitive software testing work using pytest (testing framework based on python) with maintenance.
- Participated in test automation code review meetings and provided input on colleagues' coding efforts.
- Kept scripts and test cases updated with current requirements.
- Applied Agile Delivery methods to simplify testing process decisions through iterative development.
- Operated under Agile and Scrum frameworks to complete releases and well-organized sprints.
- Monitored resolution of bugs, tested fixes and helped developers tackle ongoing problems by providing QA perspective.

**Skills, tools, and technologies use in Aqua:**

Skills/tech/tools used	Purpose
Python – pytest	Automation – development of test scripts
Jira	Issue management and testcase repository
Git	Branching/developing - Automation
Bit bucket	Framework/code management
Linux as a desktop	As a Daily driver also part of the project
Kubernetes	Part of the project
Docker	Part of the project
Jenkins	As a part of CI/CD
Cloud Platforms used with limited access	AWS, AZURE, GCP
REST API	Validation of backend features via APIs

**Achievement:**

- Developed/fixed more than 100+ test scripts which saved more than 30% release efforts compare to previous release

**Previous Experience:****Profile - Quality Assurance Automation Engineer**

**Company - Mphasis, India** - Bengaluru, Karnataka, India

06/2018 - 10/2021

**Domain – Enterprise storage SAN****Project - HPE OneView**

Integrated IT infrastructure management software that automates IT operations, HPE OneView simplifies infrastructure lifecycle management across compute storage, and networking.\

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**Roles and Responsibilities:**

- Worked on Storage Technology (SAN, iscsi) for HPE enterprise servers.
- Developed and executed QA test cases, built scripts using python for automated software maintenance.
- Tested software to assess optimal in-project deployment.
- Incorporated delivery requirements into planning of testing schedules.
- Gathered data on integration issues and vulnerabilities, reported findings and recommended improvements.
- Kept scripts and test cases updated with current requirements.

**Skills, tools, and technologies use in Mphasis:**

Skills/tech/tools used	Purpose
Python	Automation – development of test scripts
Jira	Issue management and testcase repository
Git and Github	Framework/code management and development
SAN – Storage area network	Part of the project
Virtualization	Part of the project
Hyper-V, Esx-i	Part of the project

**Achievements:**

- Upgraded whole framework/tests from old python 2.7 to python 3
- Developed a python tool, which provides end to end connection of the storage n/w from Storage device, switch to management Hardware (OneView component)

**Education:**

**Highest qualification:** Bachelor of Engineering

**Field:** Electronics and Communications Engineering

**Institute:** GM Institute of Technology, Davanagere, Karnataka, India

04/2012 - 04/2017