SUMANTH K

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**Career Profile**

I am a Python Automation Engineer with **2.7 years of experience.** Currently working with Client Micron as system automation development engineer to automate framework and environment and perform basic manual testing as a part of ownership of total conval execution. Currently working in agile methodology.

**Technical Exposure**

* Python versions: **Python 3.6**
* Unit test Framework: **Pytest 6.2**
* Client Framework: **QTest**
* Repositories: **Github**
* Tracking tools: **Jira**
* Operational Methodologies: **Agile**
* Tools: **Beyond Compare, WinSCP, mRemoteNG, Confluence**
* Operating System**: Windows**
* Libraries used: **paramiko, subprocess, winrm, openpyxl, JSON, nmap, re, time, requests, logging, random, pip, pylint**

**Employment History**

* **Current Organization**: Currently working as Lead Engineer at HCL at Sterling Technopolis, 4/293 Old Mahabalipuram Road, SH 49A, Perungudi, Chennai, Tamil Nadu 600096.
* **Previous Organization**: Previously worked as Test Engineer at client location Mphasis at Madhapur Sundew Properties Limited Building Software Layout, Mindspace Madhapur Road, Cyberabad, Mindspace, Hyderabad, Telangana 500081.

**Academic Details**

* Completed **B.Tech** from Geethanjali Institute of Science&Technology, Gangavaram, Kovur, Nellore, Andhra Pradesh-524137 in 2019.

**Awards& Recognitions**

* Received award “**Certificate of Recognition**” from Mphasis in 2020.

**Personal Details**

Date of birth : 11-06-1998

Father name : \*\*\*\* K

Marital Status : Single

Permanent Address : B-7-245, Kasipalem, Buchireddypalem, Nellore, A.P 524305.

## Client: Micron Technology

**Project Names:** System Automation

## Products: ELAN, Eagle, Epic

## Framework: MSVP

## Environment: Pytest Framework, Windows hosts, Splunk, Pycharm

**Libraries**: paramiko, subprocess, winrm, openpyxl, JSON, nmap, re, time, requests, logging, random, pip, pylint

## Project Description:

·        Micron Technology is an American producer of computer memory and computer data storage, mainly flash memory. We have Micron's internal framework called QTest which used to aid the validation team to test various memory devices.  We are from the automation team, mainly working on framework development and automation.   We have weekly sprints, responsible for execution and fixes in framework or environments.

**Responsibilities:**

·       Used nmap and subprocess modules to get available systems and posted the same to Micron API.

·       Developed MSVP test execution module to trigger the execution. We will consume Micron API using requests module to get available machines.

·       Based on idle system status, the test by flashing corresponding Firmware and Light switch and preserving the logs based on optional arguments from test trigger string.

·        Owned logger inspection part in framework to copy/delete files from host machine to mounted network folder using os and shutil modules and generate total execution report based on test success or failure status.

·        Developed a framework stability unittest file using pytest to make sure environment stability to trigger for conval execution.

·        Used openpyxl module to generate execution report based test execution status.

·        Extensively used regular expressions to check the data scrutiny  for data entries and other validation work.

·       Used subprocess and winrm to execute commands locally and remote hosts respectively.

·        Achieved SFTP using paramiko to copy dependency directories in host machine.

·        An active member of the QTest Framework enhancement team which runs on the Client environment. Participated in framework modifications and automation and based on framework upgrade sprints.

·        Implemented logic for consuming and writing back data from various data input sources like Excel spreadsheets, CSV, and text files      and populated the data to backend or application based on requirements.

·        Helped other team members by creating Confluence under Known issues based on categorization whether it is regression or test script issue or Non-Product Failure.

·        Extensively used Pycharm IDE, logger tools like splunk to inspect the test logs.

·        Familiar with sprint meetings and Software Development Life Cycle and familiar with a tracking tool like Jira board for reporting and tracking conval issues.

·       Working with github and good experience in creating code reviews and working with static analysis tools like pylint to make sure quality code merged.