SUMANTH K

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**Career Profile**

I am a Python Automation Engineer with **2.8 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, unittest basics**
* Client Framework: **MSV X**
* 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, selenium basics, matlab basics, pylint**

**Employment History**

* **Current 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 : Srinivasulu K

Marital Status : Single

Present Address : Kasipalem, Buchireddypalem, Nellore, Andhrapradesh

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

## 

## Client: Micron Technology

**Project Names:** System Automation

## Products: ELAN, EAGLE, EPIC

## Devices: SSD, HDD, SRAM, DRAM

## Framework: MSV X

## Environment: Python, Pytest Framework, Windows System Pool, 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 MSV which used to aid the validation team to test various memory devices. We are from automation team, mainly works on framework development and automation.   We have weekly sprints, responsible for execution and fixes in framework or environments.

# Responsibilities:

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

·       Developed MSV execution module to trigger the execution. Used requests and subprocess modules to get available systems from Micron API.

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

·       Based on idle system status, the test will flash 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.

·        Used openpyxl module to generate execution report-based test execution logs.

·        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.

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

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

·        contributed 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.