VVVV 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 for memory products. Currently working in agile methodology.

**Technical Exposure**

* Python versions: **Python 3.6**
* Client Framework: **MSV X**
* Unit test Framework: **Pytest 6.2, unittest basics**
* Libraries used: **paramiko, subprocess, winrm, openpyxl, JSON, nmap, re, time, requests, logging, random, pip, pylint, pprint, selenium basics, coverage**
* Repositories: **Github**
* Tracking tools: **Jira**
* Operational Methodologies: **Agile**
* API Testing tool**: Postman, Putty**
* Tools: **Beyond Compare, WinSCP, Confluence, Raritan**
* Operating System**: Windows 7,10**

**Employment History**

* **Current Organization**: **Currently** worked as Test Engineer at client location Mphasis at Madhapur Sundew Properties Limited Building Software Layout, Mindspace Madhapur Road, Cyberabad, Mindspace, Hyderabad, Telangana 500081 under the payroll of ..

**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 : XXX

Father name :

Marital Status : Single

Present Address : xx

Permanent Address : z

Hobbies : Chess

## 

## 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, 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. 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, enhancements for automation in 2-week sprint cycle.

# Responsibilities:

·        Active member of the MSV Framework team responsible for conval execution and framework development and enhancements based on sprint deliverables.

·       Developed MSV execution module to trigger the execution. Used requests and subprocess modules to get available systems from Micron API and qualified the test PCs based on smart parameters from Raritan webpages with selenium integration.

·        Ensured environment framework stability using pytest trigger before conval execution.

·       Based on qualification system availability, used paramiko to copy dependencies in Test PCs based on arguments from trigger input file.

·        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 and staged the report to conval dashboard.

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

·        Used WinSCP and Putty for cross platform operations between windows and Linux.

·        Extensively used regular expressions to ensure complex string requirements.

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

·        Implemented logic for consuming and writing back data from various data input sources like Excel spreadsheets, and text files     .

·        Extensively used Pycharm IDE and postman for manual API testing.

·        contributed by updating CAPA and documented wikis for unique issues based on categorization whether it is regression or test script issue or Firmware issue.

·        Familiar with testing methodologies like regression testing, automation testing, grey box test, alpha testing and beta testing and corresponding processes.

·        Familiar with sprint meetings and Software Development Life Cycle and working with a tracking tool like Jira dash 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 and coverage to make sure quality code merged.