Mahesh P

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**Career Profile**

I am a Python Automation Engineer with **2.7 years of experience.** Currently working with Client Samsungsemiconductor R&D as system automation development engineer to automate framework and environment. Currently working in agile methodology.

**Technical Exposure**

* Python versions: **Python 3.7**
* Unit test Framework: **Pytest 6.2**
* Client Framework: **MSVP 4.8**
* Repositories: **Github**
* Tracking tools: **Jira**
* Logger mechanisms: **Splunk**
* Operational Methodologies: **Agile**
* Tools: **Beyond Compare, WinSCP, mRemoteNG, Confluence**
* Operating System**: Windows**
* Libraries used: **paramiko, winrm, nmap, openpyxl, re, time, csv, JSON, subprocess, requests, logging, pip, pylint**

**Employment History**

* **Current Organization**: Currently working 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 : Sumanth K

Marital Status : Single

Present Address : Kasipalem, Buchireddypalem, Nellore, Andhrapradesh

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

## Client: SAMSUNG semiconductor R&D

**Project Name:** MSVPSystem Automation

## Products: Eagle, ELAN, Epic

## Framework: MSVP

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

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

## Project Description:

* Samsungis a Korean producer of computer memory and computer data storage mainly flash memory. We have Samsunginternal framework called MSVP which used to help the validation team to test various memory devices. We are from automation team, mainly works on framework development and automation.   We have 2-week sprints following agile methodology.

# Responsibilities:

* Developed MSVP execution trigger module after consuming SamsungAPI. Based on idle system status triggered the test by flashing corresponding Firmware and config and preserved the logs based on json file from test trigger machine.
* Owned logger inspection part in framework to copy/delete files from debugger machine to mounted network folder using os and shutil modules.
* Consumed different APIs using requests module to decode the data and processed it using JSON module and populated it to Grafana dashboard. Used regular expressions to match the data pattern for other validation works.
* Used different python modules during automation script development to execute commands in system and remote hosts i.e. winrm and subprocess.
* Used File Transfer Protocol to transfer files using paramiko to copy dependency directories or files in host machine.
* An active member of the MSVP 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 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.
* Familiar with a repository like github and good experience in creating reviews and aware of code quality tools like pylint to make sure quality code pushed to a repository.