Pavankalyan P

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Professional Summary:

- Currently working as **Production Validation Engineer** at **Micron technology**.

- Over 5 years of experience in **Automation** and Manual Testing, **Python with Squish and Nvme protocol**, basic knowledge on Selenium Package.

- Good experience in **Health Care** and **Storage SSD Nvme protocol** Domains.

- Having good knowledge on **Standards ISO 13485, Do-178b.**

- Experience working in **Agile**, **Waterfall** and **V -Model** SDLC Methodologies.

- Well, acquainted with Software Development Life Cycle **(SDLC)** and Software Testing Life Cycle **(STLC)**.

- Have good experience in **Developing the Test Scripts by using Python.**

- Experienced in Automation and Manual testing, preparing **Test Scenarios, Test Cases, Test data** and **Test execution**.

- Extensive   experience   in **GUI, Sanity, Functional, Regression** and **System Integration Testing**, **Smoke Testing.**

- Experience in Functional and Non-Functional **(Usability, Reliability a n d Compatibility)** and Database testing.

- Have good experience in Test Management tool like **HP ALM.**

- Worked on version control tools like **GIT** and Continuous verification tool. **Jenkins**.

- Have good experience in defect tracking tools like **Clear Quest, Jira.**

- Have good experience in Automation tools like **Squish** & Basics of **Selenium Package, Git Lab, Jenkins**

- Experience in Developing and Maintaining Test Automation Scripts using Python.

- Performing **regression testing, HALT**

- Having good Experience on the Devices and software's which are developed on the **Linux Platform** and **Windows Platform**.

- Hands on Experience on the **Embedded Device Testing.**

- Able to understand the firmware logs.

- Experience with SSD Validation, operating systems for Windows and Linux File systems

- Familiar with NVMe Protocol

- Hands on Experience on writing the Feature Files and Story File.

- Performing **Stress testing, Reliability testing.**

- Well versed with various Testing Stages/Levels/Phases, Testing Types and Testing techniques.

- Testing experience includes Writing Test Documents, Review of Test Documents, and Test execution using **HP ALM AND HP QUALITY CENTRE, DEFECT COORDINATION**.

- Have good knowledge in Hybrid framework.

- Involved in daily agile scrum meetings, Sprint Planning meetings, Sprint Review meetings and Sprint Retrospective meetings.

- Exceptional ability to build productive relationships with colleagues, clients, and vendors across all functional and technical disciplines.

Technical Stack:

Scripting Languages	Python
Databases	SQL
Automation Tools	Squish and selenium.
Bug tracking tools	Clear Quest, Jira, Hp Alm
Operating Systems	Windows, Linux
Testing and Others	Automation & Manual Testing, GIT Lab, Jenkins, Bitbucket
Methodology	Agile & V Model's
Protocol	NVMe

Experience:

Project 1:

COMPANY   :   Airaa Corporates LLP
PROJECT NAME   :   ELO (ECG monitoring device)
Technology Stack   : Qt Squish, Python, Hp ALM, IBM Clear
CLIENT   :   GE Health Care

Description:

MAC VU360 is an ECG Machine which is being developed on an Embedded Linux platform. MAC VU360 is an ECG acquisition, analysis and recording system to be used by medical personnel on adult, pediatric Patients. This new product will target hand-held devices such iPad and Android devices.

Roles and Responsibilities:
- Understanding the Requirement and Prepared RCN.
- Identifying the Scenarios based on requirements and writing test cases in ALM.
- Reviewed and Executed the Test cases.
- Collecting object repository
- Creating and maintaining scripts.
- Analyzing results of automation scripts.
- Perform Sanity testing, Functional testing, Regression testing, End to End Testing, Formal Verification.

- Defect Management using Rally and Clear Quest.
- Involved in Developing and Maintaining Test Automation Scripts using Squish & Python.
- Test Management using ALM (Application Lifecyle Management)
- Tracking the requirements to Test Case using Traceability Matrix
- Regression Suits run through ALM and Squish.
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Project 2:

COMPANY   : Airaa Corporates LLP
PROJECT NAME   : Central Station (monitoring device)
CLIENT   : GE Health Care
Technology Stack   : Qt Squish, Python, Selenium, Hp ALM

Description:

The CARESCAPE Central Station, which is migrating to latest Windows platform, is intended to collect, display and print information from a network, including patient demographics, physiological parameters and waveforms, alarm annunciation and/or other non-medical information from monitors and telemetry systems. Parameter values derived from patient data can be calculated, displayed, and printed.

The CARESCAPE Central Station supports the ability to access information from GE products and hospital intranet in a web browser format. Additionally, CARESCAPE Central Station supports the ability to access patient information collected from the CARESCAPE Network and stored on a network server.

Roles and Responsibilities:

- Functional tester for Clinical application and Web Application using Cares cape Central Station, through Agile testing methodology.
- Collect, display and print information from a network, including patient demographics, physiological parameters and waveforms, alarm annunciation and/or other non-medical information from monitors and telemetry systems.
- SME on critical medical functionalities like Full Disclosure, MultiKM, Pulse Oximetry, ECG and EMR.
- Understanding of Design specification and design verification documents, external design documents and preparing test scenarios based on the use cases and requirements.
- Creating Query Tracker and Data Request for the test scenarios.
- Perform dry run of all the functionalities before formal verification and raise defects against the encountered issues.
- Working close to the developers to test the Clinical and Online Web applications.

- Creating common Reference documents, mentoring the team members and help them out in testing various scenarios.
- Arranging regular Sprint meetings with the team to discuss the Request for Action Items.

Project 3:

COMPANY   : Airaa Corporates LLP
PROJECT NAME   : Stevieray V
Technology Stack   : Python, Jira,
Nvme CLIENT   : Micron

Description:

Validation the **Client Solid State Drive** which was manufacturing by Micron Technology by using python with other packages.

Roles and Responsibilities:
- Understanding the Requirements.
- Identifying the Scenarios based on requirements and writing test cases in jira.
- Developing the Test Scripts as per Jira.
- Hands on knowledge of data collection, data analysis and recommend corrective action.
- Debugging ,troubleshooting and problem diagnoses of storage devices.
- Handled Dell Brownout scenarios and as well as covered all Dell smart attribute requirements.
- Worked on Failure Analysis.
- View the test logs and lob bugs, follow up with FW engineers for fix and perform debug and analyze test failures.
- Developed and Executed OEM customer qualification test cases of SSD product on OEM systems
- Worked on the power management feature.
- Involved in creating the confluence Pages related to Technical Aspects

Qualification

- **Bachelor's in technology (B.Tech)** from, Vasireddy Venkatadri Institute of Technology, JNTUK, 2014-2018
- **Intermediate** from NRI Junior College, Guntur. 2012-2014.

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