

Durga Prasad

Embedded Software Test Engineer

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PROFESSIONAL SUMMARY:

Perceptive Embedded Software Test Engineer, well-versed at identifying and documenting complex software problems and causes.

EXPERIENCE:

Embedded Test Engineer

LG Soft India

06/2022 - Present Bangalore

Working as Software Test Engineer in LG Soft India Bangalore.

- Over 2.3 years of experience in functional & non-functional testing of LG webOS using Automation tool (TAS).
- Good hands-on in environment/bench set-up and flashing latest build to the hardware.
- Good working experience in media connections (USB, FM and AM).
- Experience in Test case writing, Test script implementation and Test script execution in TAS tool.
- Experience in Sanity test, Retest, Load & Stress test, Reliability test using Azile Methodology.
- Good knowledge in analysing the test execution report and issue/defect logging in JIRA tool.
- Good knowledge in handling the defect status by communicating Leaders and Developers.
- Good exposure in Bug Life Cycle, SDLC & STLC.
- Practice in conducting Daily Scrum and Retrospective meetings for the team.

PROJECT SUMMERY:

1. Project: Non-Functional API Testing

Organization	: Duru Cooperation Pvt. Ltd
Client	: LG Soft India
Project	: Non-functional API Testing
Environment	: Windows OS, TeraTerm, MobaxTerm, Command Prompt, Jenkins, Win-SCP
Duration	: Jun 2023 to Till Date

Non-functional testing assesses application properties that aren't critical to functionality but contribute to the end-user experience. Good knowledge on non-functional testing of webOS TV (using O22 embedded Board), Signage (using embedded O20 Board) and OSE (using raspberrypi-4 board).

- Familiar with the following types of testing:
 - TV:-** Reliability, Memory Leak, Lun API, Memory Profiler.
 - Signage:-** Luna API, Reliability, Memory Leak.
 - OSE:-** Luna API.

Roles & Responsibilities:

- Downloading and flashing the latest build/software to the hardware boards.
- Found 80+ critical bugs that plays a crucial role before production of the product in market.
- Invoked in the testing like BAT (Build Acceptance Testing), P2 & CCC (Change Commit Control).
- Spearheaded the allocation, coordination, and management of a team to successfully release webOS TV v2.14.0, v2.18.0, v2.20.1 & v2.22.0, ensuring project completion within established timelines and meeting all quality standards.

- Test case modification and execution as per the scenario.
- Creates Excel Sheet Reports of the weekly execution status.
- Backing the related logs and analysing the test execution report.
- Logging the new issues and tracking in JIRA Tool.

Tools used in Project:

JIRA | Putty | Tftpd | winscp | TeraTerm | MobaxTerm | cmd prompt

2. Project: webOS OSE (Open Source Edition)

Organization	: Duru Cooperation Pvt. Ltd
Client	: LG Soft India
Project	: WebOS OSE(Open Source Edition)
Environment	: Windows OS, TeraTerm, MobaxTerm, Command Prompt, Jenkins, Win-SCP
Duration	: Jun 2022 to Jun 2023

- webOS, also known as LG webOS and previously known as Open webOS, HP webOS and Palm webOS is a multitasking operating system for smart devices such as smart TVs that has also been used as a mobile operating system.
- webOS OSE platform source code with 'raspberry pi 4-64' (64-bit image for webOS OSE 2.0 or higher).
- Tested with Raspberrypi-4 Hardware Device supporting dual display system using windows OS.

Roles & Responsibilities:

- Environment setup of test bench.
- Strong ability in understanding the requirements and writing test cases.
- Supporting developers for internal testing for issue reproducibility (Bug tracking).
- Analysing test case documents, writing and executing different kinds of test cases, participating in Reviews and Reporting.

Tools used in Project:

Mobaxterm | winscp |

EDUCATION:

Bachelor of Computer Science (BSc)

Vijayam Degree College, Chittoor.

📅 06/2018 - 09/2021

SKILLS:

Testing | Java basic | Linux basics |

SQL | Eclipse | VS Code

ACHIEVEMENTS:

- Received 'High Achievers' award for good work in webOS project.
- Awarded in conducting and managing the Fun activities every month which enlightened the work environment into more fun.
- Recognition as the critical resource in a team.