

DIVYARAJ J

Embedded Test Engineer

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PROFESSIONAL SUMMARY

Test Engineer with **3.9 years** of hands-on experience in **Web, Mobile, and Embedded system** testing. Skilled in both **Manual and Automation** Testing, with proven expertise in identifying and resolving complex software issues. Adept at collaborating with **cross-functional** teams to deliver high-quality, innovative solutions in agile environments. Recognized for a strong commitment to **software quality**, precision, and continuous improvement across diverse project domains

WORK EXPERIENCE

Embedded Test Engineer-, Ishtaa Tech Craft (client-Trane Technologies Pvt Ltd) 2024-Present

- Involved in Test bench level of Integration and Regression testing.
- Attending daily scrum meeting to discuss the task.
- Performing Sanity, Acceptance, Integration, and Regression Testing
- Implemented AI tools for Test case and Test Script optimization
- Developing Test case for all integrated HVAC components as per requirements in Helix.
- Developing a high level scenario based on the requirement.
- Involved in UI and BLE App based Embedded Testing.
- Preparing and Updating Test Matrix, Test Scenarios sheet as per releases.
- Test Execution and Bug reporting for Daily/ER and CR builds.
- Updating Test Cases based on changes for each release.
- Issues/Story Tracking, Logging Bug in JIRA and Bug verification.
- Analyzing Test Results, Test Logs and CAN logs for debugging.
- Documentation of test process and test manual/report preparation
- Executed Linux commands in MobaXterm to access the hub data.
- Developed Python framework scripts for automation.
- Presenting the Demo to clients for developed features.
- Actively involved in weekly Retro meeting and grooming meeting.

2022 – 2023

Quality Analyst -, e-con systems India Pvt Ltd

- Used Python as programming language with Selenium to test the web application.
- Expertise in different phases of STLC and SDLC including methodologies like Agile and Waterfall.
- Performed functional testing of embedded camera modules including image capture, autofocus, exposure, white balance, frame rates and HDR behavior.
- Tested camera modules on embedded platforms like NVIDIA, Qualcomm etc.
- Performed database testing using SQL.
- Performed cross browser testing to ensure whether the application is working as desired in different browsers.
- Reported and tracked the defects using JIRA.

2021 – 2022

Contract Retainer -, HCL Technologies

- Understanding the Requirements and Functional Specifications of the Project.
- Identified Test Scenarios required for testing.
- Participated in designing the Test cases.
- Executed the Test Cases as per System Requirements.

- Performed various black box testing methodologies like Functionality Testing, Usability Testing and Regression Testing.
- Test Case Execution and Defect Reporting using JIRA.
- Extensively performed Manual Testing process to ensure the quality of the software.
- Strong experience in conducting QA in Agile Environment and methodologies.
- I attended walkthrough and QA sprints meetings.

EDUCATION SUMMARY

B.E (EEE), Aarupadai veedu Institute of Technology
CGPA: 7.1

2015 – 2019

TECHNICAL SKILLS

Functional testing	Basics of Linux
Regression testing	Generative AI Chatgpt, Copilot, Gemini etc
SQL	Non-Functional testing
Test cases development	API testing
Python Automation	Cross Browser testing
Agile methodology	JIRA
STLC/SDLC	CAN/I2C protocol
GitHub	

ADDITIONAL TASKS AND ACHIEVEMENTS

- Got appreciated by clients for finding exploratory defects.
- Got appreciated by clients for presenting the Demo for developed features.

PROJECT DETAILS

Cold Climate Heat Pump (CCHP) | Trane Technologies

Performed System level Validation of HVAC features with respect to CCHP across multiple ECUs and sensor interfaces and execute regression testing for climate control features during software updates and ECU revisions.

E-CAM View | e-con systems

Used the internally developed application (E-CAM View) for testing and validation. Performed end-to-end testing and debugging of camera stream conduction and application performance and certification of all the scenarios for production deployment.

Xerox Corporation | HCL Technologies

Worked as a Manual Test Engineer on XEROX Web Application & Printer Driver Application testing for the different products of Xerox by performing Smoke, regression, positive, negative, integration and functional testing to produce a bug free product.

STRENGTHS

- Process Optimization
- Collaboration
- Communication
- Project management
- Attention to detail
- Logical thinking