



Shakti Swarup Patra

SUMMARY:

3.9 years of rich work experience in the domain of Manual & Automation Software testing, Software developer in test (SDET).

PROFESSIONAL EXPERIENCE:

February 2015 to June 2015: Software Test Engineer, Intelli Four Software Pvt. Ltd.

February 2014 to September 2014: Software Engineer, Bells Softech Ltd

May 2011 to February 2014: Software Engineer, Radisis Solution Pvt. Ltd

EDUCATION

Bachelors in Technology in Computer Science & Engineering, 2005-2009

Biju Patnaik University of Technology, GHITM, Puri, Odisha, India.

AREAS OF EXPERTISE:

- Experience in **automation testing**, **automation framework** development and **Core Java**.
- Strong knowledge of **STLC** and **SDLC** with experience in preparing & implementing Test plans, test cases and test scenarios.
- Good understanding of **OOPs concepts** and programming in **Java** and **C**.
- Good Experience of **manual testing** and various testing techniques like **GUI testing**, **functional testing**, **regression testing** and **performance testing**.
- Experience in developing **automation framework**, **automotive infotainment testing** and **Android mobile application testing**.
- Testing of functionalities on hardware and simulator, product and simulation testing on Linux and QNX operating systems.
- Knowledge of both white box and black box testing.
- API testing for different versions of libraries.
- Good knowledge in V-Model and Agile software development practices.
- Good command over **Unix/Linux**
- Strong communication, interpersonal & client interaction skills

TECHNICAL SKILLS:

Domain:	Semiconductor Manufacturing, Automotive Embedded Software, Automotive infotainment, Window based GUI, Android mobile application.
Languages:	Java, C.
Operating System:-	UNIX/Linux, Android, Microsoft Windows.
C Compilers:	Keil
IDE:	Eclipse
Tools:	IBM Clear Quest, Bugzilla, IBM Rational DOORS, Test Complete.

WORK EXPERIENCE and PROJECT PROFILE:-

1. Project: Oloo UX Design

Company: IntelliFour Software Pvt. Ltd.

Duration: February 2015 to June 2015.

Description:

Oloo tablet enhances the standard Android user experience by providing an easy guide to assist the user to set up the tablet (Out of Box Experience, OOBEx), offering pre-configured home pages and incorporating various customized features and 3rd party solutions. These enable the user to set up and personalize the tablet quickly and make use of various convenient features.

RESPONSIBILITIES:

- Analyze system requirement specification.
- Identify test cases and documenting test plans.
- Set up test environment
- Involved in test case execution, defect management and test data set up, peer review process.
- Create and analyze test reports.

- Prioritize bugs according to the severity and escalate the same through IBM rational Clear Quest.

2. Project: AD7180 Temperature and Pressure measurement system

Company: Bells Softech Ltd.

Duration: July 2014 to September 2014

Description:

The AD7180 is a capacitance to digital converter. The digitized capacitance and temperature values are sent to an on-chip 8051 microcontroller where customer specific math functions are performed on the data for calibration purposes. The user interface to the ASIC is via LIN interface. In normal operation the LIN interface sends the pressure, temperature and status signals. Various fault conditions are stored in an on chip non-volatile memory.

RESPONSIBILITIES:

- Development and execution of test cases.
- Did both white box and black box testing as per the requirements.
- Prepare test vectors as input to the constants used in the complex mathematical computations.
- Develop test script as a SDET using C to read the test vectors and get the computational result.
- Prepare scripts to automate the testing using AutoIt.
- Prioritized Bugs according to severity & escalated the same through Bugzilla.

3. Project: GUI development for Multimedia Device Interface (MDI) project

Company: Bells Softech Ltd

Duration: February 2014 to July 2014

Description:

Multimedia Device Interface supports dual-zone music playback from SD, USB, Bluetooth, CD and iPod devices. The objective of the project was to develop a touch-screen based GUI

using Altia graphics package. A host PC based GUI application was developed to interact with the Target.

RESPONSIBILITIES:

- Responsible for GUI Manual testing of the touch interface to confirm the working, positioning of each GUI buttons & features like showing playlist, sorting the item in the playlist, showing track bar and id3 information updates
- System testing of various features on the Head Unit
- Responsible as a SDET for GUI Automation Testing using Test Complete tool
- Test document preparation and validation

4. Project: Nexus Test Automation Framework (NTAF).

Company: LAM Research

Duration: May 2011 to February 2014

Description:

Semiconductor and Wafer Fabrication equipment that are used in the fabrication of integrated circuits which are used by the semiconductor manufactures to build smaller, faster and more power efficient devices that are used in various electronic products, including cell phones, computer storage devices and networking equipment. Nexus Test Automation Framework (NTAF) was a test automation framework developed in Core Java to automate the test cases for testing the system software of different wafer fabrication equipment.

RESPONSIBILITIES:

- Test case execution of the assigned test cases in accordance with the functional requirements.
- Worked as a software developer in test (SDET) for development, extension and maintenance of Nexus test automation framework (NTAF) using Core Java.
- GUI testing of different functionalities of the simulator
- To test and perform system processing on the simulator to confirm proper functioning of the system software programs and parameter sets.
- Software Report Problem analysis and verification.
- Upgrade and migration testing on Consecutive builds.
- Test document preparation and validation.



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Declaration:

The information provided above is accurate to the best of my knowledge.

Date: -

Place: Bangalore

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