

## TUHIN SUBHRA PANDA

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### Career Objective

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A strong desire to join an Organization where I could get chance to work with well cultured brains in a supreme environment and I could get opportunity to explore my innovation and to implement my thoughts.

### Summary

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- 2.2 **years** of experience in IT Industry as a developer.
- Operating platforms- **Unix, Linux, Centos, windows.**
- Currently Working as a **Software Developer with PAXTERRA SOFTWARE SOLUTIONS.**
- Good knowledge of DataStructures, Algorithms and OS fundamental.
- Strong analytical, debugging (**gdb**) and problem solving skills.
- Proficiency at various levels of **Implementation, Builds and Documentation.**
- Excellent communication skills.

### Technical Expertise

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<b>Programming Languages</b>	C, C++
<b>Operating System</b>	Unix, linux, Centos
<b>Database</b>	Mysql(concept)
<b>Scripting languages</b>	Shell scripting
<b>Tools</b>	Squishcoco, UTF(unittest frame work), Putty, Perforce, Windriver, gcov, lcov

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## **Project Details**

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### **Project#1**

**COSM(customized open source environment)**

### **Client:confidential**

- COSM framework is designed to interact with OpenFlow/SDN and GNS3 components and automate the functionality of the them.
- It aims to provide a seamless complete automation solution,that allows user to script-lessly automate tests on a topology involving any combination of OpenFlow/SDN , GNS3 and selenium elements, and makes it easy to debug and author scripts.

### **Responsibilities:**

- Worked in **writing the source code** for Product key verification from the server while installation.
- worked in the **scripting part** which enable the product to automatically detect the machine architecture and installed the package in the user desired path.
- Contributed in preparing **design documentation ,coding of the modules.**
- Fixed several bugs on Basic, that were reported by clients.

**Technologies Used:** C, shell script, python, mysql,java

## **Project#2**

### **CODE COVERAGE ANALYSIS OF COMPLETE CODEBASE USING SQUISHCOCO TOOL AND GCOV & LCOV**

#### **Client:SHORETEL**

- The goal of the project is to find out the Coverage of complete shoretel code base by running the test suite .
- **Code coverage** is a measure used to describe the degree to which the source **code** of a program is tested by a particular test suite.
- **Squish Coco** is a complete code coverage tool chain for Tcl, C# and C/C++ programs that runs on Linux, Microsoft Windows and Apple Mac OS.
- **Gcov** is a Coverage analysis and statement by statement profiling tool.It generate exact counts of the number of times each statement in a program is executed and annotates source code to instrumentation.
- **Lcov** is a graphical front-end for Coverage testing tool Gcov.
- It analyzes the performance of an application being exercised to reveal important information that can improve the testing of C/C++ applications

#### **Responsibilities :**

- I was involved in **analysis of the Squishcoco tool**.
- Exported the **Squishcoco tool** with the **windriver cross compiler**.
- Contributed in preparing **design documentation ,coding of the modules**.

#### **Technologies Used:** C, shell script, Squishcoco

Wind River , Perforce

## **Project#3**

### **SSR(SMART SERVICE ROUTER) ROUTER TESTING WITH UTF FRAMEWORK**

#### **Client:ERICSSON**

- The Ericsson's project involved unit testing the routing modules of IPOS through Ericsson's Unit testing framework. The test cases in UTF are written using python programming to unit test the C code of IPOS.
- This project involves understanding the C code of IPOS and writing the test cases in python to perform code unit testing.

#### **Responsibilities:**

- Worked in finding out all the structures required for the development code base.
- Worked in **implementation of UTF framework** with the codebase .
- Involved in **Development of plugin** to test the functionality of the different modules regarding the code coverage.

#### **Technologies Used: UNIX, C, UTF, GDB, MAKE**

#### **Qualification**

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- B Tech. in Computer Science and Engineering, E.A.ST(BPUT, Orissa) with C.G.PA 7.2

#### **Interests**

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- Learning ancient indian religion.
  - Playing cricket
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## Personal Details

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Permanent Address	At/Po-Barudkhai,Kumbharmuli , Balasore, Odisha, India,756036
Current Address	#270, 3rd cross, 7th block, koramangala, bangalore
Mobile	09620914951
Email	Pandatuhin123@gmail.com
Date of Birth	2nd May, 1989
Nationality	Indian
Sex	Male
Marital status	Single
Languages Known	English, Oriya (Mother tongue), Hindi
PAN Card number	BZJPP1794B

## Declaration

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I hereby declare that the information furnished above is true to the best of my knowledge and belief.

**Place :-BANGALORE**

**Signature :TuhinSubhraPanda**