**Vidyanath Nalla vidyanathnalla3@gmail.com**

Technical Lead Engineer +91-9110308026

**Objective**

Seeking Engineer position that leverage my experience, strong educational background, problem solving skills and enabling me to make a significant contribution to the organization

**Professional Summary**

* Did PG Diploma in Embedded Systems from **CDAC-Hyderabad**
* **Seven Years o**f software industry experience
* Hands on Version Control tools like **SVN, JIRA, GIT, Jenkins, Code-Collaborator, Cucumber Tool, Helix,intent+, WISCE, RT-RK Executor,HP-ALM,Download utility, NMS and Test complete tool.**
* Willing to learn new things, adaptable and have good troubleshooting abilities
* Good knowledge in Software Development Life Cycle, Software Test Life Cycle.
* Experienced with utilities like **Audacity, Gold wave, Teraterm**
* Proficient in Gherkin Language, Python.
* Good at **OOPs concepts, modules** in Python
* In-depth Understanding about Python Data Types like **String, Tuple, List, Dictionary, Numbers** **,Sets** etc.
* Providing support for product improvement.
* Experience in **Firmware Testing.**
* Having good experience in **Web application testing using Selenium with Python.**
* Experience in Requirements understanding, analyzing and reporting issues on Requirements
* Experience in Sanity, Smoke, Functional, Stress, Performance and regression testing concepts.
* Able to work collaboratively with testers, developers, and other team members

**Technical Skills**

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| **Programming Languages:** | Python, C |
| **IDE:** | Eclipse, Pycharm |
| **Tools:** | SVN, JIRA, Test Complete, Selenium |
| **Operating Systems:** | Windows and Linux |

**Education:**

* Completed B.Tech from Indur Institute of Engineering and Technology with 75.2%
* Completed Intermediate from Gurukrupa Junior college with 88%
* Completed SSC from Adithya High School with 87%

**Achievements:**

* Received excellence award for Automation Testing.

**Project Experience**

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| **Project:** | Omni POD |
| **Company** | Cigniti Technologies India PVT LTD |
| **Languages** | Python |
| **Tools/Software** | Helix, Pycharm IDE,JIRA, My Blue POD, Keil |

**Description:**

The main concept of this project is to automate the Insulin injecting process to the Diabetes Patients. We have three devices CGM,PDM and POD. Here basically, we program the CGM,PDM and POD. By using these three looped devices insulin can be injected through POD automatically.

**Roles and Responsibilities:**

* Handled the 12 members Team.
* Automated Test Cases for Omni POD.
* Python language is used for Automation Test Scripts.
* Functional Testing performed.
* Performed Test Case Execution and Defect filling, Tracking and Reporting.
* Issues Reporting using JIRA.
* Source code management tool as GIT.
* Communicating with other team’s members (Development Team) in order to resolve the issues.

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| **Project:** | Object Detection |
| **Company** | Automotive Robotics India PVT LTD |
| **Languages** | C |
| **Tools/Software** | CANalyzer,CANoe,ET,CADET win, Target Process |

**Description:**

The main concept of this project is to detect an object for Wheel loaders, Trucks. Radar will detect an object which is rear side to the Vehicle. We are using B7 radar to detect an object. Whenever radar detects on object, alarm warnings and visual warnings will come on Display ECM.

We are simulating the radar application through CANalyzer and other ECMs through CANoe.

Basically I did a Functionality Testing and Regression Testing.

**Roles and Responsibilities:**

* Automated Test Cases for Wheel Loaders and Trucks.
* C language is used for Automation Test Scripts.
* Performed Test Case Execution and Defect filling, Tracking and Reporting.
* Issues Reporting using Target Process tool.
* Source code management tool as GIT Extension.
* Involved in acceptance testing to collect feedback from customers.
* Communicating with other team’s members (Development Team, Technical Support, and Business Support) in order to resolve the issues

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| **Project:** | REM |
| **Product** | OTIS Elevators |
| **Company** | United Technologies, Hyderabad |
| **Languages** | Python |
| **Tools/Software** | Selenium,HP-ALM,Download Utility, NMS |

**Description:**

REM means Remote Elevator Monitoring. It resides in the machine room. The elevators in the developed countries like USA, Europe, and Japan have this product REM.The main aim of this product is to protect the trapped passenger in the elevator. Whenever passenger trapped in the elevator he press TPA button then a call goes to OTIS Call center through REM.Call center guys talk with trapped passenger and send the technician to respective building. Technician rescue the trapped passenger.

**Roles and Responsibilities:**

* Automated the NMS Web application using Selenium Framework with Python.
* Developing and executing the test cases manually
* Understanding the requirements from REM Experts
* Performing code reviews in team discussions
* Used source code management tool SVN.

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| **Project:** | **Lab Suite Tool Automation** |
| **Company** | SoCtronics, Hyderabad |
| **Client** | Cirrus Logic |
| **Languages** | Python |
| **Tools/Software** | Squish and intent+ |

**Description:**

Lab Suite is a software tool for CSPL (Cirrus Signal Processing Library) tuning. It generates the configuration string file, which will be deployed on Wisce tool, so that algorithms will be tuned based on this configuration string file. Algorithms will be run on different custom chips and tested accordingly.

**Roles and Responsibilities:**

* Developing and executing the test cases manually
* Raising the bugs in JIRA
* Understanding the requirements from client side
* Automating test cases through screen shot verification and running the test cases using Jenkins.
* Performing code reviews in team discussions

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| **Project:** | **Solution Test – Zynq porting** |
| **Company** | SoCtronics, Hyderabad |
| **Client** | Cirrus Logic |
| **Languages** | Ruby |
| **Tools/Software** | Visual Studio, SVN, GIT, JIRA, Jenkins, RT-RK Executor and intent+ |

**Description:**

“Solution Test – Zynq porting” project with Lochnagar Version 2, which is primarily an automation project, validates the firmware like SCC and SCP on Moon Codec, which involves the AP.

Solution Testing involving AP and Codec with drivers and firmware running together is tested at a system level. Intent+ tool is used for requirements, test definitions, test cases logging, attaching the script, running the test plan and generating the reports.

**Responsibilities:**

* Defining the Test cases and Test definitions in the intent+ tool.
* Manual Test verification of Test Cases.
* Running the Automated Solution Test scripts with the Jenkins, RT-RK Executor & intent+ tools and testing the SCC & SCP firmware on the moon codec.
* Taking part in Technical discussions and Code reviews.
* Created User Guide for this project.

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| **Project:** | **Solution Test – Arndale** |
| **Company** | SoCtronics, Hyderabad |
| **Client** | Cirrus Logic |
| **Languages** | Ruby |
| **Tools/Software** | Visual Studio, SVN, GIT, JIRA, Jenkins, RT-RK Executor and intent+ |

**Description:**

‘Solution Test –Arndale’ Project with Lochnagar board, which is primarily an automation project, validates the firmware like SCC and SCP on Moon Codec which involves the AP.

Solution Testing involving AP and Codec with drivers and firmware running together is tested at a system level. intent+ tool is used for requirements, test definitions, test cases logging, attaching the script, running the test plan and generating the reports.

**Roles and Responsibilities:**

* Defining the Test cases and Test definitions in the intent+ tool
* Manual Test verification of Test Cases
* Developing Automation Test Scripts from scratch
* Running the Automated Solution Test scripts with the Jenkins, RT-RK Executor, intent+ tools and testing the SCC & SCP firmware on the moon codec
* Taking part in Technical discussions and Code reviews
* Created User Guide for this project

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| **Project:** | **Fruit-Salad** |
| **Company** | SoCtronics, Hyderabad |
| **Client** | Cirrus Logic |
| **Languages** | Ruby |
| **Tools/Software** | SVN, GIT, JIRA, Jenkins , WISCE and Cucumber BDD |

**Description:**

Fruit-Salad Project, which is primarily an automation project which validates the codec functionality like Florida and Clearwater. It is also involves developing the Framework using Ruby Programming language.

**Responsibilities:**

* Understanding the customer requirements in Gherkin code (plain markup language)

and converted to Step definitions in Ruby with Cucumber BDD.

* Taking part in Technical discussions and Code reviews.
* Developed the Fruit-salad framework
* Manual verification of Patches
* Ran the test cases using Jenkins.

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| **Project:** | **FIO-Deki Applications** |
| **Company** | SoCtronics, Hyderabad |
| **Client** | Fio |
| **Tools/Software** | SVN and JIRA |

**Description:**

Fio is a medical device to perform the test process and collect the patient data from remote areas and send the information to the portal, from which one can access the data and analyze the same. Fio medical device is used to test the diseases like Malaria, HIV, etc.This device mostly used in the African countries like Nigeria, Uganda.

**Responsibilities:**

* Manual verification of Deki applications like customized launcher, archives, messages, and surveys
* Taking part in Technical discussions
* Understanding the requirements from the client side
* Raising the bugs

**DECLARATION:**

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

**Place: Hyderabad Vidyanath Nalla**