

K.V.SIVA NAGA RAJESH

Validation Test Engineer

CONTACT

☎ +91-8466961254

✉ vsnrajesh.k092@gmail.com

PROFILE SUMMARY

A diligent goal-oriented professional with **2 years** of experience in **Verification and Validation testing as a System Test Engineer**. Looking to pursue a career in professionally managed organization and leverage my skills and experience in the field of **Automotive Embedded Testing**, Where i can give my best to it and be a part of its growth.

EDUCATION

2019 - 2023

- **Bachelor of Engineering** specialized in Computer and Science Engineering from **SRI VANI EDUCATIONAL GROUP OF INSTITUTIONS, Affiliated to JNTU Kakinada , Andhra Pradesh in 2023.**

EMPLOYMENT HISTORY

- Working at **Aptiv Components India Private Limited. as Software Engineer From December 2022 to till date.**

PERSONAL DETAILS

- **Nationality** : India
- **Date of Birth** : 16-09-2000
- **Gender** : Male
- **Language know** : English, Hindi, Telugu
- **Marital Status** : Single

PROFESSIONAL EXPERIENCE

- Hands on experience in **CAN** and **CANoe** simulation.
- Hands on experience in diagnostics protocols like **UDS**.
- Hands on experience in **Cluster Validation**.
- Good Experience with **flashing board** or **HU** and making target suitable.
- Hands on experience in **Black Box Testing** like **Functional Testing** and **Non-Functional Testing, Regression Testing**.
- Experience with **Bug** re-production and Verification of the **Bug** fixes.
- Having Experience with **Defect Management Tools** like **RTC** and **JIRA**.
- Having knowledge on **I2C, UART, SPI**.
- Having Experience with **Requirement Management Tools** like **IBM Rational DOORS**.
- Hands on experience in **Infotainment** Validation.
- Having knowledge on **C - Language**.
- Hands on experience in **test case designing** and **reviewing** and **Execution of the test cases**.
- **Performing System level Testing**.
- Having Knowledge in **CAPL** Scripting.
- Hands on experience in **SDLC** and **STLC**.
- Having Experience with **V - Model** and **Water fall model**.
- Having Experience with **Agile methodology**.
- Having Good knowledge on **BUG life cycle**.
- Ability to analyze and Prioritize Tasks, handling Multiple Tasks and effectively communicate and Co-ordinate with the team.
- Capable of learning **New Technologies** and Process and successfully applying them to projects and operations.
- possess Strong Analytical thinking skills, trouble shooting capabilities, Proactive listener and team player.

TECHNICAL SKILLS

- Software : Vector CANoe 8.5, 11 and 14, CANape.
 - Programming languages : CAPL Scripting.
 - Testing Tools : CANoe, CANalyzer.
 - Protocols : CAN and UDS.
 - Operating Systems : Windows 7, Windows 10.
 - Applications : MS - Office (Excel, Word and Powerpoint).
-

PROJECTS UNDERTAKEN

- Validation of Different Features in Instrument Panel Cluster using CANoe

- Role : Test Engineer.
- Environment : CANoe, CANape, RTC, client proprietary tools.
- Team Size : 7 Members.

Description:

To validate all possible combinations of various features (**Fuel, gauge, indicator, speedometer, Door hazard, Seat belt and panel designing like Tell-tales in cluster such as High Beam, Low Beam, Parking lights, break light, Window up and down etc,)** in Cluster. Executing test cases from Functional Test plan for different possible conditions during different ignition, voltage and operational conditions.

Roles and Responsibilities:

- Requirement analysis for different features in Instrument Cluster panel like **Speedometer, Fuel, Gauge, Door Ajar, Seat belt, Tell- tales, chimes, Warnings, Gear- positions, ETM, Diagnostics, Trip meter, Odometer, Power Modes.**
- Developing the functional and non-functional test cases for Cluster.
- Reviewing the functional and non-functional test cases developed by test engineer.
- Performing the rapid validation tests for all those conditions and in the Invalid Cases(ABUSE Cases) also.
- one of the methods off functionality testing is done using Manual Configuration.

- **Validation of Different Features in IN Vehicle Infotainment (IVI) using CANoe**

- **Role** : Test Engineer.
- **Environment** : CANoe, JIRA, client proprietary tools.
- **Team Size** : 7 Members.

Description:

USB, Bluetooth, Car play and Android Auto are the main features of **IVI**, where we validate these features based on the functional and non-functional test cases developed. **IVI** has a test **Bench setup** where we execute test cases from functional test plan for different possible conditions. The test bench also has the features for car type (**Base, Mid and High Variants**) and corresponding market selection.

Roles and Responsibilities:

- Requirement analysis for different features in In **IVI** like **USB, Bluetooth, Car play (wired/wireless), Android Auto(wired/wireless), Home Navigation, IPOD, HMI, SWC, RVC, ETM, Diagnostics, Operating Power Modes.**
- Developing the functional and non-functional test cases for **IVI**.
- Reviewing the functional and non-functional test cases developed by test engineer.
- Performing the rapid validation tests for all those conditions and in the Invalid Cases(**ABUSE Cases**) also.
- Creating the validation test panels as per test cases in the panel Editor.
- Preparing validation report and recording logs, proofs for test cases.

STRENGTHS

- **Adaptability to new environment and challenges.**
- **Ability to scope up with different situations.**
- **Willingness to walk extra mile to achieve excellence.**
- **To share knowledge and work with team having diverse views.**
- **Self- confidence and team spirit.**
- **Detail oriented and resourceful in the completion of projects.**
- **Ability to multi task and meet strict deadlines.**

DECLARATION

I do here by declare that above particulars of information and facts stated are true,correct and complete to the best of my knowledge and belief.

Place: Bangalore, India

Name: Rajesh Kakarla.