DEEPAK **KRISHNA**

Senior Engineer

📍 Tiruvannamalai, Tamil Nadu   ✉ deepakkrishna0206@gmail.com   📱 +91 7022157252

DESCRIPTION

I am looking for a creatively challenging environment where I can grow and contribute as an Embedded Test engineer and innovative person.

WORK EXPERIENCES

- Over 7+ Years of Experience in System Testing of Body Control modules & Agriculture Equipment controllers in HIL & SIL
- Good Knowledge and Experience in Manual and HIL & SIL Testing.
- Good knowledge of User Display testing which is available on Tractor cabin (Linux based display)
- Good Knowledge of Communication protocol like CAN, J1939 and LIN and Diagnostic protocol
- Good Knowledge of Bug Life Cycle.
- Good Experience on Software Development Life Cycle,
- Software Testing Life Cycle. Skilled in Hardware Testing, System testing, Hardware Failure analysis, Open & Close loop Testing and Environment testing.
- Well versed with Agile Testing Methodology and V model.
- Good experience in Load Diagnostic requirements of a CAR
- Developed automated tools using VBA & Python for reducing the time and effort

WORK HISTORY

2021 - PRESENT
John Deere India Pvt. Ltd,

Test Automotive Engineer

- Developed and executed automated test scripts using Python, reducing manual testing time.
- Managed the entire defect life cycle, identifying, verifying, reporting, and contributing to the resolution of bugs.
- Created and executed test plans encompassing various testing types (exploratory, sanity, regression, smoke) to ensure comprehensive software functionality.
- Provided training and knowledge sharing to new recruits, interns, and team members, fostering a supportive and collaborative work environment.
- Reviewed and approved peers' automation test scripts using Git, contributing to code quality and team efficiency.

2017 - 2021
Hella India Pvt. Ltd,

System Test Engineer

- Executed system testing of Mercedes-Benz Body Control Modules (STAR 2 Gen 2 & STAR 3 Gen 1), ensuring compliance with functional & non-functional safety features, and exceeding test coverage through experience-based tests.
- Developed & executed comprehensive test plans & scripts, analyzing customer requirements (BCR) & system specifications.
- Ensured test bench integrity through validation, promptly identifying and reporting malfunctions in load units, power supply units, or measuring units.
- Analysed and tested system diagnostic functionalities (IOCTRL, DTC) to verify fault detection and reporting accuracy.
- Established and maintained traceability matrices, guaranteeing clear links between requirements, test cases, and results.

EDUCATION

B.Tech in Mechatronics
Adarsh Management Institute
2017-2020

Diploma in Mechatronics
NTTF
2014-2017

Secondary School Certificate
Gandhi Nagar Matriculation
2014

SKILLS

Programming Language: Python

Protocol: CAN, LIN, J1939 and UDS

Testing Skill: HIL, SIL, Open & Close loop Testing & Manual Testing.

OS: Mac & Windows

Tools: Tester Software (HTE), IBM-DOOR, PTC, Rally, ECU-Test Tool, CANoe, GIT, GitHub, Fork, Sublime Text 3, VS-Code, MS Office & PDM.

Equipment: Oscilloscope, Functional Generator & Programmable power supply.

CERTIFICATION

- ISTQB Foundation Level (2020)
- ISTQB Test Automotive Engineer (2021)
- ISTQB Test Analyst (2023)
- ISTQB Advance Test Manager (2024)

ACHIEVEMENT

- Nominee for "Rising Star of the year" for the years 2019 & 2020.
- Winner of "Hackathon 2023" ISG Level
- Received WoW, Star Team of Mont Awards
- Developed a Python-based automation tool to save 20 thousand Euros per year.
- Filled IP in 2023 related to Large Tractors

LANGUAGES

- English
- Tamil
- Hindi
- Telugu
- Kannada
- Malayalam
- Marathi