ROJIN JACOB N.R Featured

Reliable, dedicated, motivated Senior Automotive Engineer who is able to work with minimal directions to resolve conflicts, having 2+ years of experience seeking roles in HIL test automation and Software/Application development in automotive domain.

Current Designation: Senior Automotive Engineer

Current Company: Tata Elxsi

Current Location: Kottayam

Pref. Location: Bengaluru / Bangalore,Germany,United Kingdom (UK)

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 2 Year(s) 4 Month(s)

Notice Period: 3 Months

Highest Degree: B.Tech/B.E. [Information Technology]

Key Skills: Custom tool Development,Test automation,MDA,Acceptance test data analysis,Report Generation,test case preparation,HIL Testing,CANalyzer,INCA,Control Desk,Configuration Desk,MATLAB,Rhapsody,Powertrain,HMI,PCM,GWM,Python,C#,CAPL,DIADEM,IPC,MBSE,SQL,VBA

Verified : **Phone Number |** **Email - id**

Last Active: 20-Jan-21 Last Modified: 20-Jan-21

Summary

Passionate senior engineer with 2+ years of experience proven skills in application development and automotive field having superior communication, presentation, analytical, and problem-solving skills. Looking for an organization where I can use my skills and knowledge to achieve organizational goals as well as personal goals.

Work Experience

Tata Elxsi as Senior Automotive Engineer
Sep 2018 to Till Date

Client:
Jaguar LandRover

Roles:
HIL Validation Engineer,
HIL Test automation Engineer,
Application Developer,
Systems Engineer,
SIL Engineer,
CIL Engineer.

Achievements:
- Productivity Improvement Award - JLR BU
- Worked in Multiple Projects Simultaneously
- Automated the task and increased productivity in my projects

Education

UG: **B.Tech/B.E. (Information Technology)** from **Government Engineering College, Barton Hill** in **2018**

Other Qualifications/Certifications/Programs:

Diploma in Technical Education in Electronics Engineering

IT Skills

Skill Name	Version	Last Used	Experience
Windows and Basics of Linux			
C#, C, C++			
Python and Java, VBScript, SQL,HTML			
CAPL Script, DIADEM Script.			
Microsoft visual studio 2010			
ETAS INCA , Vector CANalyser			
CORVUS, DIAdem, Rational Rhapsody			
MS Office, MDA			
Microsoft Visual Basic, MATLAB			
IBM DOORS, RTC, Tortoise SVN,JIRA			
Powertrain,HILS			
IPC,PCM and GWM ECUs			
Vector VN8914/8972 Cancase XL			
ETASES595.			
DSPACE			
Control Desk			
Configuration Desk			

Languages Known

Language	Proficiency	Read	Write	Speak
English	Expert			
Malayalam	Expert			
Tamil	Expert			
Hindi	Proficient			

Projects

Project Title: MBSE_Vehicle Engineering
Client: Jaguar Land Rover
Nature of Employment: Full Time
Duration: Jun 2020 - Till Date
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Test Engineer
Team Size: 4
Skill Used: Rational Doors, RTC,SQL, VB SCRIPT, Rhapsody
Role Description: 1.Develop tools and provide a solution to simplify the tasks and increase productivity and reduce manual efforts.
2.Got the basic understanding to support Systems requirements development in IBM Rhapsody.
3.Worked in IBM DOORS, RTC

Project Details: The scope of the project is to support JLR in development of vehicle functional library, Feature delivery process support and source control management. The following activities are identified as part of the project:
- Updating the vehicle functional library as per new requirements and harmonization of feature logic.
- Maintenance of Master Feature list in JLR.
- Source Control Management using RTC.

Project Title: IPC Validation
Client: Jaguar Land Rover
Nature of Employment: Full Time
Duration: Mar 2020 - Jun 2020
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Programmer
Team Size: 5
Skill Used: C#, Visual Studio, Canalyzer, IPC, Test Case Preparation, Test automation, Automation Testing,
Role Description: 1.Developing a tool that generates test cases in format required for automated testing. Input to this tool is test case matrix created from functional Specifications.
2.Updated already developed test automation tool to the new requirements.
Project Details: The scope of the project was Automation setup development, test case preparation, verification and validation of Instrument Panel Control for various vehicle programs within Driver Information systems department.

Project Title: Voltage Transient Testing
Client: Internal - for Proposal work
Nature of Employment: Full Time
Duration: Feb 2020 - Mar 2020
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Test Engineer
Team Size: 2
Skill Used: MATLAB, Configuration Desk, Control Desk, DSpace,
Role Description: 1.bus simulation using DSpace
2.Developing a Real Time cranking logic and simulating automotive network
3.Building C code using Configuration Desk
4.Implemented the logic and loaded into DSpace Scalexio-LabBox
5.sample TC using using automation desk
Project Details: The aim of the project was to simulate voltage for IPC and to verify the minimum voltage supplied was enough to turn on the cluster. Also verifying the functionality and behaviour of different ECUs at different voltage levels during cranking.

Project Title: PCM - HMI end to end validation
Client: Jaguar Land Rover
Nature of Employment: Full Time
Duration: Sep 2019 - Mar 2020
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Test Engineer
Team Size: 3
Skill Used: MS Visual Studio, C#, Canalyzer, CAPL, LIN, FlexRay, CAN, INCA, PCM, GWM, HMI,CORVUS
Role Description: As a HIL Engineer,
1.Developing a tool that generates test cases DVP.
2.Supporting Level 4 Rig Setup for 5 vehicle variants.
3.Software Flashing of ECU
4.DV Execution on hardware using tools : CANalyser, INCA, and Corvus.
5.Analysing Test report.
Project Details: The aim of the project is to execute end to end validation for PCM initiated HMI messages using a Level 4 HIL Rig set up which contains the PCM, GWM and IPC ECUs.
Vector VN8914/8972 hardware was used for the rest of the Bus simulation and CANalyser was used to develop a simulation environment and also to monitor the signals coming from all the ECU's under different Network such as CAN, Flexray, Lin, PMZ etc. ETAS ES595 hardware was used to access the ECU's internal variables and INCA was used to change those internal variables and validating it through CANalyser. Different configuration files were developed corresponding to the required CCF parameter and flashed it to GWM using Corvus.

Project Title: Hybrids HILS
Client: Jaguar Land Rover
Nature of Employment: Full Time
Duration: May 2019 - Sep 2019
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Test Engineer
Team Size: 3
Skill Used: Hil Testing, Acceptance Testing, NI DIADEM, MDA
Role Description: 1.Acceptance testing data analysis and report generation using MDA tool.
2.Automation of acceptance testing data analysis task using DIAdem tool.
3.DIAdem Scripting of test cases and Report Generation for analysis of test data.
3.Test case reviewer
Project Details: The purpose of this project is to support the JLR team in testing activities.,The overall scope of Hybrids HILS testing carried out by TE is:
- HILS Testing using INCA and Control Desk.
- Testing Data Analysis and Report Generation using MDA Tool.
- Test case development by understanding feature model
- Test case conversion using DVM Compiler Tool.
- RTC Review of Test case and Test reports

Project Title: Hybrids Software
Client: Jaguar Land Rover
Nature of Employment: Full Time
Duration: Nov 2018 - May 2019
Project Location: Trivandrum
Onsite / Offsite: Offsite
Role: Programmer
Team Size: 20
Skill Used: C#,Visual Studio, Powertrain, Customer Interface Layer, MATLAB
Role Description: 1.Developing a tool to automate the CIL (Customer Interface Layer) tasks and reduced great number of manual effort.
2.Got training in Software development tasks done in MATLAB.
Project Details: The project includes the following activities: Requirements development, root cause analysis, design change, Model/Low Level requirement ,Review/Development for software robustness, Software checks and Low Level integration of the modules for VSC models.

Affirmative Action

Category: General

Physically Challenged: No

Work Authorization

Job Type: Permanent

Employment Status: Full time