RESUME

BALA BRAHMAIAH S
E-Mail ID: - bala.balu0812@gmail.com
Contact No: - +91-**9441582328**

Career Objective:

To work as a developer/validator in an organization where I can get the exposure to utilize my existing skills and develop some new ones in order to achieve organizational goals.

Work Summary:

- Having 7.0 years of experience in **MATLAB**, **SIMULINK, STATE FLOW, M-Scripting** environments.
- Excellent programming knowledge in **M-Script & GUI** and basics of **C**.
- Working experience on Simulink/State flow analysis.
- Analysis of Software/Functional requirements and Quality closures UseCases creation using testing methods.
- Performed MIL validation testing using **TPT & JFTL**.
- Experience in Automation scripts using MATLAB scripting (m-scripting).
- Basic knowledge in SIL validation testing.
- Working experience on Structural Coverage analysis for all software components.
- Followed MAAB guidelines while Model development.
- Ability to learn and adapt quickly to the emerging new technologies and paradigms.

Educational Qualifications:

- **Bachelor of Technology** (B-Tech) in Electronics & Communication Engineering in the year of 2014 from Narayana Engineering College, Gudur (JNTUA) with **75.5**%.
- **Intermediate** (Mathematics, Physics, Chemistry) in APR Junior College, Venkatagiri with **92.6**%.
- **Secondary school** in APR School, DV Satram with **85**%.

Professional Experience:

- Currently working as a **Sr Software Engineer** in M/s. **Onward Technologies**, Chennai from May'2022 to till date.
- Previously worked as a **Senior Engineer** in M/s. **Olam Information Services Pvt Ltd**, Bangalore from Sep'2018 to May'2022 (3.7 yrs.).
- Previously worked as a **Project Engineer** in M/s. **Pantech Pro-Ed Pvt ltd**, Hyderabad from Jul'2016 to Sep'2018(2.2 yrs.).

Technical Skills:

- Programming Tool's : MATLAB, Simulink, State flow, M-Scripting, M-GUI, Reqtify
- MIL Tool's : TPT & JFTL
- Other Tool's : GIT, Dimensions, SharePoint, JIRA, DOORS
- Operating Systems : Windows

Projects

Project-1

Project Name	**MIL Validation for BODY Functions ECU's**
Summary	In this project we are doing MIL validation (unit/component testing) for Body Control Modules & Under hood Switching Modules. Performing the structural coverage analysis for all software components & provided the justifications for all uncovered blocks and traceability requirement mapping.
Roles & Responsibilities	• Body Control Specifications/functional requirements received from the System Team (Using IBM DOORS) • Impact analysis check on functional requirements • Analysis of requirements and creating the TestDesign for all functional & negative test UseCases using testing methods • Deployment all UseCases into testcases by using the TPT/JFTL • Taking the modelling package from GIT/Dimensions • Simulating the model using the supporting files • Performed the MIL Validation for all testcases • Performed the coverage analysis & improved all the coverage metrices like CC, DC & MCDC • Provided the justifications for uncovered blocks & confirmed with LIM and Modeller • Improved the coverage metrices almost 100% for all safety requirements • Raising JIRA tickets in case of any mismatch between the Specifications and the Model (MIL) Validation • Checking the traceability using Rectify tool between both Model v/s Requirements and Testcases v/s requirements • Delivery of product on GIT/Dimensions
Tools Used	MATLAB 2020b & 2016b Simulink, State flow, TPT, JFTL, DOORS, Reqtify, GIT, JIRA

Project-2

Project Name	**Continuous Integration**
Summary	In this project we are doing continuous integration for BODY and ADAS functions. I'm working under the continuous integration for BODY functions for different ECU's. Here we are automating/testing the body functions for different ECU's all software components using different number of checks for each model by integrating the code in to shared repository. Each integration can then be verified by an automated testing script using the around 15+ job checks.
Roles & Responsibilities	• Automating the body functions for each model • Testing the body functions for each model • Automate the Scripts to support the new features
Tools Used	MATLAB 2017b, M-Scripting, Simulink, State flow, GIT, JIRA

Personal Profile:

Father's Name	:	Eswaraiah S
Date of Birth	:	08/12/1992
Gender	:	Male
Marital Status	:	Married
Country of Citizenship	:	India
Languages Known	:	English &Telugu

Declaration:

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

Place: Chennai

Date: **Signature: BalaB S**