DHANARAJ K
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CAREER OBJECTIVE:

Seeking a position to utilize my skills and abilities in embedded industries that offers professional growth While being resourceful, innovative and flexible. Willing to work as a key player in challenging and creative Environment.

PROFESSIONAL SUMMARY:

- 1.2 years of HIL testing experience using Labcar.
- Performing Functional Test (Manual & Automation Execution).
- Hands on Experience of ETAS Labcar.
- Test script generation (parameter and module files) and execution.
- Analysing the test script and modifying it based on the test spec.
- Logs analysis (html, CAN trace, MM6 traces) for test execution.
- Flashing s/w using Xflash and Easy Flash.
- Hands on Experience of CAN, UDS Protocols.
- **2 Years** of Experience in Embedded Firmware Development and Testing using Embedded C and C.
- In-depth understanding of programming language such as C, Embedded C and communication protocols such as I2C, SPI, UART.
- Hands on experience with ESP32-IDF, PIC32,PIC24,DSPIC33 etc.
- Skilled in developing application in embedded C language for PIC Microcontroller in MPLAB Programming.
- Hands on experience with Arduino IDE , Atmel studio.

PROFESSIONAL EXPERIENCE:

➢		Embedded software engineer Zettaone technologies india Pvt.Ltd	March-2018 Bangalore	– July 2020
➢		Associate consultant B1 Capgemini	November-2021 Coimbatore	– Present

PROJECT DETAILS:

1) Project Title : PHEV(PSA)

Functionality : DCOM, HHC, TPMF

Project Management Tools : ALM (IBM Rational), QC (Micro Focus ALM)

Project Related Tools : Xflash, EasyFlash, TKwinX, STEPSConfig, CAN analyzer.

Role and Responsibilities:

Manual testing (HIL environment), Test script generation and execution, logs & module files analysing,

review of test specification. Performing data communication test, Functional testing

Defect re-testing,

Configuring of testing tools like CAN, MM6, Steps config

2) Main module
control Programming
Language: Embedded
C, C. **Environment:**

MPLAB IDE

Modules Worked: PIC32MX,DSPIC33

The objective of this project is to read different analog sensors like , pressure, temperature , flow and controlling relay solenoid as well as send the data to pc using uart.

Role:

- Understanding the requirements of the client and act as a sole resource.
- Testing the entire board as for customer requirement.

3) INDORE
NAVIGATION.
Programming
Language: Embedded C,
C. **Modules Worked**:
STM32.
The Object of this project is Navigation In Indore Using Anchors and Tags Anchors are fixed in corners and tags are movable which we are using to track the Location with the help of Anchors.
Role:

- Testing the Boards as for requirements.

4) INDUCTION HEATER.

Modules Worked: PIC24FJ32GB004.
The Object of this project is Lighting the Cigarette With the induction Coil for certain temperature and the temperature is configurable.
Role:

- Developing the code as for requirements.
- Testing the Boards as for requirements.

5) ACTIVE STATION CONTROL

Modules Worked: PIC32MX.DSPIC33

The Object of this project is to controlling fan , peltier, stepper motor and update the status of this to host pc using uart.

Role:

- Developing the code as for requirements.
- Testing the Boards as for requirements.

EDUCATIONAL DETAILS:

BE in Electronics & Communications Engineering from Excel college of engineering and technology Namakkal in 2016.

DECLARATION:

I hereby declare that all information given by is true to the best of my knowledge.

PLACE: Coimbatore Dhanaraj K

DATE: