

Pon Shiva Haritha E

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Dedicated automotive embedded engineer with 2 years of experience specializing in developing software for Automotive applications using AUTOSAR standard and adhering to ASPICE process

TECHNICAL SKILL SET

⇒ Language:

- Embedded C/C++

⇒ Software architecture:

- AUTOSAR (COM, DCM)
- Communication protocols (CAN, UART, I2C, SPI)

⇒ Tools Hands-on

- Static test tools :Kloc work, Vector Cast
 - Vector tools :CANoe , Candela Studio, CAN DB++
 - Debugger :Lauterbach Trace 32 debugger
 - Testing tools :Saleae Logic Analyzer, Tera Term
 - Version Control :GIT
 - Other tools :JIRA, EB Tresos
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ACADEMIC CREDENTIALS

⇒ B.E (Electronics and Communication, 8.52 CGPA) from Government College of engineering, Tirunelveli, Tamil Nadu. 2019 - 2023

⇒ HSC – 87.14 %, Fatima Girls Higher Secondary School, Vallioor, Tirunelveli.

⇒ SSLC – 97.4 %, Fatima Girls Higher Secondary School, Vallioor, Tirunelveli.

Professional Experience

⇒ Working as "Systems Engineer" at "[Jasmin Infotech Pvt. Ltd.](#)", Chennai, India from July 2023.

Central Cockpit Control Module CCCM for UK OEM

Description: This project integrates cluster, infotainment, and comfort control use cases for a top-of-the-line vehicle. It is powered by an SoC and VIP. It supports three display variants, controlling infotainment and multiple displays controls vehicle settings through a touchscreen interface. The serializer and deserializer are used for data transmission between the CCCM and the displays.

Contribution:

- I was involved in developing Display CDD Driver module.
- Implementing and testing display communication.
- Fixing validation defects.
- Maintained software code quality through Misra warning fixing and unit testing.
- Involved in requirement analyzing and created functional test cases.
- Also worked on Key Performance Indicator marker for VIP and improved the KPI values by optimizing the code.

External Amplifier and Digital Driver Unit for Trucks

Description: This project focuses on connecting the External Amplifier (Ext Amp) and Digital Driver Unit (DDU) via the Vehicle Interface Processor (VIP), which acts as the central hub for managing and controlling ECU functions. The Ext Amp amplifies audio signals to enhance the vehicle's sound system. It communicates with other ECUs through the single CAN bus. The DDU controls and manages the vehicle's driving, automation, and driver assistance systems, using three CAN buses: one for general ECU communication, one for Ext Amp-DDU communication, and one for diagnostics.

Contribution:

- I was involved in Unit testing and created test cases to achieve full coverage.
- Involved in Diagnostic testing and DTC handling.
- Fixed the defects related to DCM and COM stack of BSW.

PERSONAL DETAILS

Date of Birth : 01 /07/2002

Address : Blossom ladies hostel, Plot no 10, Meera homes, Ganesh Avenue, Pallikaranai, Chennai – 600100.

Languages known : English, Tamil

Marital status : Single

DECLARATION

I hereby declare that all the details of mine stated above are true to the best of my knowledge.

Place: Chennai

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