



AMOL ARSULE

Software Engineer

(+91) 9921911828

Pune, INDIA

arsulea5@gmail.com

3 Years 3 Months of experience

PROFILE SUMMARY

Aspiring for an Embedded Developer role with 3+ years of extensive automotive domain experience, specialized in vector tool chain such as Davinci Configurator, Developer, CANoe, and Canalyzer. Proficient in Classic AUTOSAR, Diagnostic (UDS 14229), and Microcontroller (TC3xx), with expertise in Embedded C, Rtos, Data Structures, Arm Microcontrollers (Cortex M4), and fundamental knowledge of protocols like CAN, SPI, and UART. Well-versed in IoT, Device Drivers, and possess basic proficiency in C++ and some exposure to Matlab Tool. Eager to leverage skills for developing cutting-edge embedded systems.

WORK EXPERIENCE

Software Engineer

KPIT

10-2021 - Present

- Utilized 3+ years of experience as an Automotive Software Engineer with expertise in CAN and UDS, resulting in 20% improvement in software efficiency.
- Demonstrated proficiency in tools such as Canoe, Canalyzer, Vector Davinci, Trace-32, and MATLAB, enhancing software development processes.
- Applied knowledge of C, Embedded C, and basic C++ programming languages in automotive software development, contributing to the successful implementation of key projects.
- Leveraged skills in Matlab Scripting for efficient software development processes, resulting in a 15% reduction in development time.
- Applied expertise in AUTOSAR & Integration of Diagnostics (DCM & DEM) & COM Stack for

KEY SKILLS

Embedded C

AUTOSAR

AUTOSAR Stack Development

AUTOSAR Configuration

Bootloader

Communication Protocols

Diagnostics Protocols - OBD UDS

Unit Testing

Integration Testing

Test Plan Creation

OS Linux

Linux Device Driver

ARM Processor

RTOS Concepts

Tools - 'DaVinci Developer-Configurator' 'EB Tressos' 'Trace32' 'CANoe' 'CANalyzer' 'Tasking Compiler' 'GIT-SVN'.

CERTIFICATION

Diploma in embedded system design

PROJECTS

Hitachi_Astemo_Porsche_PHEV_UDS_OBD_Supp

26 Months

- Implemented the new OBDOnUDS protocol using UDS service and incorporating functionality from OBD.
- Hand coded and configured services in Davinci Configurator for diagnostic stack implementation (DEM & DCM).
- Tested the configured services in CAN Analyser or in CANoe to ensure functionality.

streamlined automotive software design, ensuring adherence to industry standards and compliance.

EDUCATION

PG Diploma - Electronics

2021

Sunbeam Institute of Technology,Pune

Grade - Pass

B.Tech/B.E. - Instrumentation

2020

gondwana university

- Created detailed test plans to ensure comprehensive testing coverage.

ZEVonUDS

13 Months

- Managed the migration of a non-AUTOSAR project to AUTOSAR, overseeing the transition from TC275 to TC375 controller.
- Aligned hardware and software variances with the new controller to ensure smooth integration.
- Contributed significantly to DEM & DCM configuration and adeptly updated bootloader code as per the new controller specifications.
- Engaged in hand coding, implemented bootloaders, conducted debugging, and created as well as executed unit test plans.

LANGUAGES

English

marathi

Hindi

SOCIAL LINKS

[https://www.linkedin.com/in/amol-arsule-09746b1b6?](https://www.linkedin.com/in/amol-arsule-09746b1b6?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app)

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