

Inzamam Nandial

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Senior Software Engineer with over 6 years of experience in the automotive industry. Expert in AUTOSAR software development, specializing in the configuration, implementation, and testing of various modules. Dedicated to continuous learning and professional growth.

Skills

- **Programming Languages:** Embedded C, CAPL
- **AUTOSAR Modules:** DCM, DEM, COM, NVM
- **AUTOSAR Tools:** Vector Da-Vinci Configurator, ABACUS
- **Protocols:** CAN, UDS
- **Build and Test Tools:** Visual Studio Code, Canoe, CANalyzer, QAC, Doors, Flux (OEM/supplier specific flashing and diagnostic tools)
- **Debugging Tools:** UDE, Lauterbach, MULTI Debugger
- **Microcontrollers:** AURIX TC2XX, LPC2148, RH850

Work Experience:

Company : Bosch Global Software Technologies (July 2021 – Present)

AUTOSAR DEM Module Development (Radar) | July 2021 – Present

- Developed AUTOSAR DEM module for German clients
- Prepared system level and software level requirements in DOORS
- Led a team of four to review test reports and enhance test coverage
- Configured the architectural changes using Flux and BCT tools
- Performed developer tests and unit tests to achieve ASPICE compliance
- Headed a team of four for defect handling
- Conducted in-depth analysis of bus logs (.blf, .ttl, .asc, .mf4) and NVM dump
- Engaged with clients, providing suggestions for bug fixes
- Developed a tool for interpreting the environment data extracted from dumps

Company: Crevavi Engineering solutions (Feb 2019 – June 2021)

Project: CANC and CAND Development for Airbag ECU | Sept 2020 – June 2021

- Analyzed and prepared physical and data link layer requirements for CANC in codebeamer
- Configured Tx messages using DaVinci Configurator tool
- Configured E2E for all Tx messages
- Fixed issues in DCM module
- Implemented warning lamp functionality for airbag module

Project: Instrument Cluster Features Development | Jan 2020 - Aug 2020

- Developed and tested cluster features like Roll Pitch, Power Torque, Compass, and TDMS for a tightly scheduled sprint
- Developed filtering algorithms for the implementation of above features
- Resolved bugs and provided fixes (e.g., timeout and invalid data errors in CAN messages)

Project: OEM Specific Transmission ECU | Feb 2019 - Dec 2019

- Tested UDS-based flash bootloaders test cases using customer-specific diagnostic tools
- Configured and tested MCAL PORT, FEE, and DIO using EB Tresos
- Analyzed and fixed MISRA 2012 coding violations
- Wrote CAPL scripts for the automation of bootloader testing to reduce testing time and ensure timely software releases

Certifications and Trainings

- Certified in Functional Safety Software Development
- Certified in MBD using Matlab, Simulink and Stateflow
- Certified in Agile and Scrum
- Completed a 3-day training program on Business Communication & Effective Customer Communication

Educational Qualifications

- **Bachelor of Engineering (Electronics & Communication Engineering)**
Visvesvaraya Technological University, KLS GIT, Belagavi | 2019 | 8.9 CGPA
- **Pre-University Course (Science)**
DPUE, Karnataka, SECAB PU College, Vijayapura | 2015 | 93.33%

- **S.S.L.C**

Karnataka State Board, BVVS High School, Bagalkot | 2013 | 92.48%