
KAPPATI NARENDAR GOUD

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Sangareddy, Telangana

Carrer Synopsis :

Aspiring to secure a challenging Embedded Engineer position, I bring 4 years of experience, including 3 years at Varroc Engineering Limited developing and enhancing vehicle communication systems and 1 year at Secure Industries Private Limited as a quality Engineer. Committed to utilizing my technical expertise and leadership abilities to drive innovation and company success.

Work Experience :

Varroc Engineering Limited

Embedded Engineer - Pune, Maharashtra

08/2021 - Present

- Developed the CAN stack based on AUTOSAR via configuration tool and integrating with the application.
- On-site testing on Vehicle While development activities.
- Worked on Cypress (CYT2B9), SPC Controller (SPC58), and Renesas controllers (RL78-D1A, F13/F14).
- Re-Architected UDS stack in existing application.
- Successfully delivered critical telematics and cluster projects ahead of schedule, enhancing vehicle communication systems.
- working in Diagnostic communication module (DCM) implementation.

Secure Industries Private Limited

03/2019 -02/2020

Quality Engineer - Sangareddy, Telangana.

- Conducted torque test, bridge strength test, secure seal test, and melt flow index testing.
 - Managed COA (Certificate of Analysis) and CMM (Coordinate Measuring Machine) documentation.
 - Implemented new testing procedures that improved software reliability.
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Technical skills :

- **Tools:** AUTOSAR Configurator Tool, Canoe, CANalyzer, SVN, SCCM, Enterprise Architect (EA), Git Bash, Helix QAC, Eclipse, ST32 CUBE IDE (SPC studios), Trace 32, High-tech (Infineon controller) IDE, IAR IDE (Renesas Controller).
 - **Programming Languages:** C, Embedded C, Basic C++, Basic Python, Basic CAPL.
 - **Standards:** ISO-11898 (CAN), UDS-14229
 - **Key Activities:** DBC Integration, COM Stack Lib Integration, Diagnostics Development (DCM).
 - **Experience:** COM Stack (CAN, CAN-IF, CAN-TP, COM, P-DUR)
 - **Protocols:** CAN, I2C, SPI, UART
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Languages :

English, Hindi, Telugu

Projects References :

Telematics Project for BAJAJ EV Vehicle as Developer of COM Stack:

To develop and integrate the CAN stack based on AUTOSAR standards for BAJAJ's electric vehicle.

Responsibilities:

- Led the development and integration of the CAN stack, ensuring compliance with AUTOSAR standards.
- Configured DIDs(0x22,0x2E) in existing applications for improved diagnostic capabilities.
- Conducted comprehensive testing of the CAN stack, including integration and developer testing of third-party software.
- Troubleshoot and resolved issues related to UDS, including NRC-related problems.
- Coordinated with cross-functional teams to ensure seamless integration and functionality.

Instrument Cluster Project as Developer for COM Activities:

To develop and integrate a CAN stack for an instrument cluster using AUTOSAR standards.

Responsibilities:

- Developed and integrated the CAN stack for the instrument cluster, adhering to AUTOSAR standards.
- Worked on the System Level Requirement Document, Software Requirement Document, and Software Architecture to ensure comprehensive documentation and robust architecture.
- Integrated Renesas F13 controller with the in-house CAN stack for a charger project, ensuring seamless communication and functionality.
- Conducted extensive testing and validation of the CAN stack to ensure high reliability and performance.

working on modular CAN stack and DCM module:

Responsibilities:

- Ported modular CAN stack for various controllers.
- Integrated Renesas F13 controller with in-house CAN stack for charger project.
- Ported in-house CAN stack to SPC58 controller.
- Developing DCM module using UDS protocol.

Education :

Embedded System Training

04/2021

VECTOR INSTITUTE Hyderabad, Telangana

- Achieved 70.00%

BTECH [ECE]

04/2018

RRS COLLEGE OF ENGINEERING AND TECHNOLOGY, PATANCHERU,
Telangana

- Secured 62.05%

Diploma [ECE]

04/2015

RRS COLLEGE OF ENGINEERING AND TECHNOLOGY, PATANCHERU,
Telangana

- Obtained 71.11%

SSC

04/2012

BVM HIGH SCHOOL, Secondary School Sangareddy, Telangana

- Scored 80.00%
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