
GARI KARTHIKA VAMSI RATNA KUMAR

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EMBEDDED AUTOMOTIVE DOMAIN

Career Objective:

To prove my credibility and creativity by accepting all challenges and achieve them with sincerity, well-coordinated team work, Embedded Testing with good problem-solving skills and enjoy the learning experiences involved.

PROFILE

Performed HIL and SIL Testing in both manual and Automation

- Having experience on HIL, SIL, MIL and Basic knowledge on Model Based Testing using Simulation.
- Around 2.4years of embedded software development experience in testing of applications.
- Hands on Experience in Embedded C Testing.
- Trainings under gone ABS & TCS, Labcar, Active safety and Automotive Braking Basics.
- Having Tools knowledge on Can analyzer, CANOE, TK Winx, Xflash.
- Having knowledge on Using ALM, Toolbase,
- Having basic knowledge in AUTOSAR and ASPICE.

TECHNICAL COMPETIENCES

Skills : Embedded C, Autosar basics.

Protocols : SPI, I2C, CAN, UDS, DIOP, UDP.

Tools : Labcar, ALM, Toolbase, Can analyzer, CANOE, TK Winx, Xflash, DaVinci Configurator, DaVinci Developer, Project Loader, MM6, Xflash.

PROFESSIONAL EXPERIENCE

- Worked in HCL TECH for 2.4years in Bangalore as a Software Engineer for Feb 2022 to May 2024.
 - BOSCH Clients from July 2022 to March 2023.
 - Worked in L&T (KM ASSOCIATES) as a Technical Assistant for HPCL Client from July 2019 to Nov 2021.
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PROJECTS

Project 1: -

Project #1 : Robert Bosch Engineering and Business Solutions Ltd. For (DPB)
Client : ROBERT BOSCH
Role : Software Engineer
Duration : July 2022 to March 2023.

Description: Worked 1 year in Robert Bosch Engineering and Business Solutions Ltd as a HIL and SIL Test Engineer

Roles & Responsibilities:

- Having knowledge on basics of C, RTOS Concepts, Embedded C concepts and C concepts.
- Having knowledge on ADAS Cruise Control Concepts and Levels.
- Having good theoretical knowledge in ABS Anti-lock Braking systems and TCS Traction Control systems
- Having knowledge in UDS, & DCOM
- Having Knowledge on developing embedded based Applications involving C, Embedded C technologies.
- Having knowledge on Can analyzer, CANOE, TK Winx, Xflash Tools.
- Having knowledge on Using ALM, Tool base, in Bosch.
- Having knowledge on Autosar Stacks and configuring in the DaVinci Developer and Configurator.
- Having basic knowledge in ASPICE. (Process Reference model And process Process Assessment model) for SWE.6 and SYS.5.
- Having good knowledge in the UDS service ID's and ESP control systems in the vehicle, BCM and CCM and ADAS as well.
- Having basic knowledge in the MATLAB and Simulink and State flow Tool.
- Having basic knowledge in the Model Based Testing using MATLAB Simulation.

Project 2: - KM ASSOCIATES

Client : HPCL Corp
Role : Technical Assistant
Duration : July-2019 to Nov-2021

Description : Worked as a Technical Assistant using SAP MODULE for 2years 8months from July, 2019 to November 2021.

Roles and Responsibilities:

- Maintaining all the data and documentation of project activities.
- Generating MRN and IMIR as per documents received from Store.
- Preparing MIVR & MIV request by Execution Engineer as per ISO/piping MTO for materials issue to sub-contractors.
- Posting MIVR & MIV in eALPS for the material issued through eALPS & stock transfer.
- Maintaining data from eALPS like Joint master, Joint status at glance, Spool at a glance & Spool BOQ.
- Isometric joint marking through Auto Spool as per procedure.
- Preparation of LHS sheet for Loop Clearance.
- Response for All Activity in eALPS+ (Piping).
- Progress updating of reports (Fit up, Weld Visual, Radiography Test, DPT, MPT, Hardness).
- ISO Marking in Autospool.

HIGHEST QUALIFICATION

- Completed B.Tech (EEE) in Avanthi's Research and Technological Academy College of Engineering & Technology (JNTUK University) in the year of 2018.

PERSONAL DETAILS

- Date of Birth : 26-12-1996
- Languages Known : English, Telugu, Hindi

(GARI KARTHIKA VAMSI RATNA KUMAR)