

**Haribabu Morampudi**  
**Embedded Software Engineer**

Date of birth: 1991-05-01

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I am an embedded software engineer with 7+ Years of experience and with a focus on Embedded software development(Autosar development), integration(CI/CD Activities),verification and validation. I had a strong interest in problem solving through software development, primarily using Model based development tools and Embedded C.

I developed Autosar Application Software components(FDA component),SW Integration and HIL Testing for **Electric Hybrid Vehicles(Inverter & DC-DC)**-BMW Client, **Battery Management** and have work experience into Static Analysis using Helix QAC, Polysapce,Astree Tools and having experience in Bug Fixing and CAN communication protocol.I am good at Autosar architecture and ISO26262 standard.The main tools in the work were ASCET,INCA,Start lab car, UDE Debugger,CANoe,Smart GIT,ECU.Worx,Catch configuration tools.

#### TECHNICAL SKILLS

- **C,Embedded C,C89,C90,C99**
- 16/32 bit Microcontrollers
- **Autosar,Altium**
- **ASCET(Model Based Development)**
- **HIL Testing**
- **Static Analysis, SW Integration and Build & Release Activities.**
- **GIT, Jenkins, AEEE Version Control Tools.**
- **Good experience in SW Intergration, Application & Base SW Development and SW Integration Testing.**
- **Good experience in ISO26262 & ASPICE.**
- **Good experience in Embedded IOT Applications.**
- **Experience in HALCoGen, ARM Cotex (TI TMS570),Code Composer Studio.**
- **Electric Hybrid Vehicles & Battery Management experience.**
- **ALM, JIIRA, IMS SAFe Methodology.**
- **INCA, UDE Debugger Tools**
- **ECU.Worx, Catch Configuration Tools**
- **CAN, CANoe**
- **Polyspace , QAC & Astree Tools.**
- **Experience in SW Requirement Analysis and Development.**
- **Experience on CAN, SPI and I2C communication protocols.**
- **Knowledge on Xilinx, FPGA Programming and Verilog, VHDL.**

#### EMPLOYMENT/EXPERIENCE

**Present Working Company- Continental Automotive.**

**As Technical Lead Since September'2022.**

**As Technical specialist June'2020-June'2022.**

I am a Embedded Software Engineer. Working with SW Architecture team for **Battery Management & Electronic Braking System** project at the division AMS. The work is focused on Both on HW & BMS SW SOC,SOE,SOH,SOA calculations, SW Quality and Static Analysis. The work also includes static analysis and QAC fixing to improve SW Quality. As a part of team taking care about Review the SW changes and

SW Implementation design documents. Furthermore, the work methods are Agile and the work is implemented by Continuous Integration.

**Tools: Polyspace, QAC, Astree, MKS-SAFE, C99, Code Composer Studio, ARM Cortex TI TMS570 MCU.**

**Senior Embedded Software Engineer - at Robert Bosch June'2018-June' 2020**

I am a Embedded Software Engineer. Currently, working in Customer Engineering Team for the **Electric Hybrid Vehicles** project at the division EHV. The work is focused on Autosar application SW development, COM Stack SW level Changes and CI/CD Activities, HIL Testing. The work also includes static analysis and QAC fixing to improve SW Quality, Filed Failure Analysis to improve product quality. As a part of team taking care about Review the SW changes and SW Implementation design documents. Furthermore, the work methods are Agile and the work is implemented by Continuous Integration.

**Tools: ASCET, INCA, Start Lab Car, UDE Debugger, GIT, HIL Testing, CANoe, MISRA C.**

**Senior Software Engineer- at MFX infotech Nov'2017-June'2018**

- Worked for Embedded Telecommunications domain.
- Worked for Cloud Database applications.
- debugging and maintenance support for the driver.
- setup cloud server for IOT applications.

**Senior Engineer - at Bahwan Cyber Tek Jan'2017-Nov'2017**

- Worked for Embedded Telecommunications domain.
- Worked for Cloud Database applications.
- debugging and maintenance support for the driver.
- setup cloud server for IOT applications.

**Software Engineer- at Wipro Technologies oct'2015-Dec'2016**

- Worked for Embedded Cloud applications.
- Support backend Azure Databases.
- setup cloud server for IOT applications.

**Course 1 Embedded Systems**

**2015**

**Tools: Matlab, Simulink , Embedded C, Linux Kernel Programming, RTOS.**

**EDUCATION**

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<b>M.Tech(Electronics-VLSI &amp; Embedded Design) – JNTU Hyderabad</b>	<b>2012–2014</b>
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<b>B.Tech Engineering (Electrical &amp; Electronics) – JNTU Hyderabad</b>	<b>2008-2012</b>
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**LANGUAGE SKILLS**

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**English: Native**