

Aravind M

Engineer

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Professional Summary

Results-driven Engineer with 7.8 years of experience in automotive software testing, embedded ECU developments, and industrial automation. Skilled in AUTOSAR platform, embedded C, C++. Proficient with microcontrollers (Renesas RH850, Qualcomm SA8155/SA8195), version control tools (Git, Gerrit), and system design using Enterprise Architect. Focused on delivering high-quality, innovative engineering solutions.

Professional Experience

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|---|-------------------|
| Senior Engineer, Bosch Global Software Technologies | 01/2022 – 04/2025 |
| <ul style="list-style-type: none">Responsible for Thermal Management Complex Device Driver (CDD) Component Development.Design, develop and validate all the functionalities of Thermal management Middleware component in Autosar and QNX and Linux domainsResponsible for SWCDD - Software Concept and Design Description - Enterprise Architect UML Diagrams and OOAD.Gtest - Unit Testing, Functional Testing, Integration and Interface Testing. | Coimbatore, India |
| IoT Engineer, vLogix Technology Private Limited | 02/2021 – 12/2021 |
| <ul style="list-style-type: none">Implementation of Multithreading for Monitoring of PLC Live status in a Network using Ethernet interface using C#.Development of Python script for Data Acquisition from various devices such as Energy meter, Water meter, LPG flowmeter, pH meter Conductivity meters and Air Compressor on the production Line.Integrated IoT gateways like Raspberry Pi, Advantech for industrial data acquisition. | Chennai, India |
| Automation Engineer, Intercept Design Solution Private Limited | 06/2017 – 01/2021 |
| <ul style="list-style-type: none">Establishment of RS-232 communication between Laser Machine and Arduino 2650 for Automobile Brake Shoe Batch Marking machine.Firmware Development for Automation of Various parts of TVS Bikes such as Logo Welding Machine, nut fitting on the Bike Dooks and Fuel Tank leak Testing using Digital Pressure Switch, Proximity Sensor, Reed Switch.Firmware development of fabric pressing machine for KIA car doors.Developed automatic sanitizers and tape cutters as part of new product initiatives. | Chennai, India |
| Graduate Engineering Trainee, Syntetics Automation India Private Limited | 12/2015 – 07/2016 |
| <ul style="list-style-type: none">Designed embedded system-based CNC autoloaders using Embedded C and PCB design (Eagle CAD).Programmed PLCs and performed panel wiring. | Coimbatore, India |

Education

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| Bachelor of Engineering (B.E.) Robotics and Automation,
PSG College of Technology | 2012 – 2016
Coimbatore |
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Technical Skills

- Embedded C
- Classic AUTOSAR
- Renesas RH850
- Scrum
- Modbus TCP/IP, RS-232/RS-485
- Lauterbach
- GIT
- G-Test Framework
- NotePad++
- Renesas RH850
- Gerrit
- QNX
- DOORS
- RQM
- Putty
- Debugger : Renesas Flash Programmer
- GHS Multi Debugger
- Qnx Platforms
- CANoe
- Agile Methodologies
- Python
- Modern C++ (11, 14)
- Atmega328P, Atmega32
- DLT
- Github
- RQM
- G-Test Framework
- Enterprise Architect
- Greenhills GHS Compiler
- Robot Framework
- ASPICE
- RTC
- SmartBear

Languages

English

C2

Tamil