

## Job Description

Work with our team to developers, create embedded systems & applications, presentations & demonstrations of R&D projects in multiple environments. Embedded systems applications will be developed for R&D project which will be later be part of BFW machines. The candidate will also assist in house embedded team of developers in the creation of proto boards & code the same for the test production & deployment.

Applicant must be able to demonstrate their previous embedded projects, including examples & supporting AV.

## Responsibilities

- ❖ Design & implement software of embedded devices & systems from requirements to production & commercial deployment
- ❖ Design, develop, code, test & debug system software
- ❖ Review code & design
- ❖ Analyze & enhance efficiency, stability & scalability of system resources
- ❖ Integrate & validate new product designs
- ❖ Support software QA & optimize I/O performance
- ❖ Provide post production support
- ❖ Interface with hardware design & development
- ❖ Assess third party & open source software

## Desired Skills & Experience

2 years of proficient experience working & developing SDKs for any platform

Skilled/Expert Level development in:

- ❖ C, C++, Python [ Must to know ]
- ❖ QT, QML [ Must to know ]
- ❖ Schematics design, PCB component placements, layout & artwork [ Good to know ]
- ❖ EMC standards & placements [ Good to know ]
- ❖ Working with 8, 16, 32 bit microcontroller [ Must to know ]
- ❖ Working with X86, 32, 64 bit microprocessor [ Must to know ]
- ❖ Processors ATOM, Arm, Pic, Atmal, etc,.. [ Must to know ]
- ❖ Shared memory, Redis, communication protocol serial RS232C, RS485, USB, TCPIP, Modbus RTU/TCP [ Must to know ]

Proficient with understanding the requirements & coming out with an layout for POC

Proficient with writing a test code setup with the available lab resource for POC

## Education

BE Mech./ BE Computer/ BS/BA or equivalent

## Other Skills/Nice to Have

Skilled in development in:

- ❖ Component selection
- ❖ Communication writing & spoken
- ❖ Similar Development Products