

Ref. No : AF/EE/2023/JD/001

Detailed Job Description

Job title : Engineer – Firmware Development
Reporting to : Lead Engineer – Firmware Development
Salary : Industry par CTC
Hours : Full time
Location : Vidyaranyapura office, Bangalore.
Travel : Occasional National and International travel required

Purpose of the position

To be part of embedded team and going through structured on the job training to become productive resource within a stipulated time.

Required Work experience & skills:

- 3 - 5 years of experience as a Firmware Engineer.
- Firmware development using C/C++, Python.
- Study the client requirements and project guidelines/execution methodologies and quality assurance programmes.
- Working knowledge in any processor platforms such as NXP, TI, Kinetis, Microchip/Atmel, Renesas and Freescale are necessary.
- Experience with communication protocols such as UART, I2C, SPI are necessary.
- Debugging skill using emulators and debugger.
- Knowledge and reading capability of digital circuit board documentation such as schematics is necessary.
- Self-driven and proactive on problem solving and test/debug of the designed product.
- Experience with laboratory equipment such as Digital Oscilloscopes.
- Experience in Linux based commands.

Desired skills:

- Good understanding of wireless standards and its physical layer.
- Communications theory/digital signal processing (DSP) background.
- Exposure in Socket programming, USB, and CAN.
- Knowledge of any RTOS or UCOS, ARM/MIPS based systems.
- Skills in device driver development, Linux porting on ARM processors.

Job description:

- Study the client requirements documents.
- Implementing firmware in C/Python as per the client requirements.
- Debugging and testing of the implemented firmware with the product.
- Documentation of required checklists reports etc. for the client.
- Mail interaction with the client for queries or status reports.
- Meeting with internal team/client for firmware updates.

Academic & trades qualifications

Essential	Desirable
B.E./ B.Tech / Diploma in Electrical/Electronics	Any certification on Embedded Firmware courses.

Personal qualities & behavioral traits

Essential	Desirable
<ul style="list-style-type: none"> - Excellent verbal communication. - Excellent mail interaction. - Excellent team support. 	<ul style="list-style-type: none"> - Problem solving. - Create firmware architecture.