

Ref. No: AF/EE/2024/JD/001

Detailed Job Description:

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|---------------------|---|---|
| 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 programmers.
- 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 is 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. |