ATI Job Profile

Embedded Software Engineer

Location: Novi, MI USA

ATI is seeking self-motivated individuals to fill positions in our software development group in Novi, Michigan. This is a salary position with competitive salary and benefits.

Responsibilities

As a member of the embedded software development group you will be part of a dynamic development team performing analysis, design and development of our embedded products.

Responsibilities will include:

- Both new development and maintenance/enhancement to existing embedded software.
- Detailed technical design of system architecture and software components based on requirements.
- Development and execution of unit test procedures.
- Development and execution of system test procedures.
- Development and updating of documentation on work performed.

Qualifications

The ideal candidate will have the following qualifications and skills:

Desired Skills/Experience

- Experience with using C++, C and Assembly in the development of embedded software.
- Experience with using Object Oriented programming techniques in the development of embedded software.
- Experience with RTOS and multi-tasking interrupt based embedded software development.
- Experience using ICE and debuggers in the development of embedded software.
- Able to understand and intelligently debug existing software.
- Solid understanding of general programming software technology.
- Understanding and appreciation of software development lifecycles.

- Knowledge of and understanding of software design patterns.

Bonus Skills/Experience

- Familiarity with C# and C++ for Windows applications.
- Familiarity with system interfaces such as CAN, JTAG, I2C, OCDS, AUD, RTD, NBD and Ethernet.
- Understanding of communication protocols such as CCP, XCP, J1939, TCP/IP ISO14229 and ISO15765.
- Experience with PLD/FPGAs and ABEL/VHDL.
- Experience with communication transport layers such as CAN, RS232, USB, Ethernet and Flexray.
- Experience with SAE, ISO and ASAM standards.
- Knowledge of data acquisition concepts and systems.
- Knowledge of automobile and engine controls systems.
- Knowledge of wireless communication systems.

Essential Non-Technical Skills

- Positive proactive attitude and solid work ethic.
- Strong communication skills.
- Strong organizational skills.
- Experience with Microsoft Office applications.
- Detail-oriented and methodical coding mentality.
- Willingness to follow processes and procedures.
- Ability to work independently.

Candidates who meet the preceding qualifications should email their resume to hr_us@accuratetechnologies.com .

www.accuratetechnologies.com