ATI Job Profile

Software Engineer – Windows

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 software development group you will be part of a dynamic development team tasked with maintaining and extending our current Win32 MFC-based products and developing our next-generation product based on .NET technologies. Responsibilities will include:

- Limited but continual maintenance and extension of current Win32 MFC-based products.
- Developing our next generation product based on .NET technologies.
- 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 as necessary.
- Development and updating of documentation on work performed.

Qualifications

The ideal candidate will have the following qualifications and skills:

Essential Skills/Experience

- Strong understanding of .NET, MFC, Win32 API, COM and ATL.
- Demonstrated ability to master diverse technologies.
- Excellent coding skills in C++ and C#.
- Experience developing GUIs in both MFC and WPF or Windows Forms.
- Windows network programming experience and protocol fundamentals including sockets.
- Experience using remoting systems such as SOAP, REST or DCOM (among others).
- Strong knowledge of troubleshooting and debugging application/services on Windows.
- Accurately estimate time and resources required for completion of specific features.
- Writing comprehensive functional and/or design specifications.

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- Design code for re-usability and unit tests.
- Good understanding of basic design practices (design patterns) and how/when to project them into different environments and languages.
- Identify, evaluate and mitigate technical project risks.
- Ability to translate feature requests into the most appropriate internal design.
- Experience using version-control and bug tracking systems.
- Understanding and appreciation of software development lifecycles.
- Bachelor's degree in Software Engineering or related discipline and 7+ years of experience.

Bonus Skills/Experience

- Experience using or developing data acquisition or multimedia systems.
- Experience with real-time systems or kernel mode programming.
- Experience with communication transport layers such as CAN, RS232, USB, Ethernet and Flexray.
- Experience with SAE, ISO and ASAM communication protocols such as CCP, XCP, J1939, ISO14229 and ISO15765.
- Experience with developing The MathWorks® MATLAB® scripts (Script M-files), TLC code, TMF files, MEX-files and S-functions.
- Knowledge of automobile and engine controls 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 .