

ATI Job Profile

Senior Windows 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 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 products based on .NET and Web technologies
- Detailed technical design of system architecture and software components based on requirements.
- Development and execution of unit test procedures and updating of documentation on work performed.

Qualifications

The ideal candidate will have the following qualifications and skills:

Skills/Experience

- Master's degree or Bachelor's degree in Software Engineering and 5+ years of experience.
- Strong understanding of .NET, MFC, Win32 API, and COM.
- Demonstrated ability to master diverse technologies.
- Excellent coding skills in C++ and C#.
- Experience developing GUIs in both MFC, WPF or Windows Forms.
- Experience with various file format standards (ASCII, MDF3/4, ASAP, HEX, DBC, ...)
- 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.
- Experience with communication transport layers such as CAN, RS232, USB and Ethernet.
- Experience with SAE, ISO and ASAM communication protocols such as CCP, XCP, J1939, ISO14229 and ISO15765.

- Accurately estimate time and resources required for completion of specific features.
- Writing comprehensive functional and/or design specifications.
- Design code for re-usability and unit testability.
- 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.
- Experience using or developing data acquisition or multimedia systems.
- Experience with real-time systems or kernel mode programming. Knowledge of automobile and engine controls systems.

Essential Non-Technical Skills

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

Candidates who meet the preceding qualifications should email their resume to:

hr_us@accuratetechnologies.com.