

Embedded Software Engineer

Job Description:

- Design and create requirement specifications for the Microcontrollers to be used in the High Voltage power supply design
- Responsible for unit and integration testing of firmware and GUI changes
- Maintain Software version control (SVN) and release management systems
- Provide documentation for third party integration into the firmware and customer support to debug software issues
- Program Data Acquisition based GUI's using serial communication (RS232) and Ethernet Communication (TCP/IP) protocols

Essential Skills:

- Bachelor's Degree in Electrical and/or Computer Engineering; Master's preferred
- 3 years experience with NI, Labview, Microsoft Visual Studio C++/VB/C#, Embedded C and RTOS
- 2-3 years of experience with Freescale products (MC56F8037 7 ARM) microcontrollers
- Demonstrated ability to write firmware for Industrial control equipment
- Good Knowledge of RS-232 and TCP/IP communication standards
- Ability to work with Analog and Digital Circuits based PCB designs like Op Amps, ADC, DAC & multi-functional IC's
- Working knowledge of Microsoft Word, Project, Excel & PowerPoint
- Perform software development and version control adhering to SCRUM standard
- Proficiency in the English language with established written and verbal communication skills
- Excellent interpersonal, multi-tasking and organizational skills
- Ability to travel up to 10% of the time

Non Essential Skills:

- Thorough knowledge of radiographic Imaging systems for Industrial & Medical inspection
- Strong background in understanding X-ray Tube design of high voltage generators to power up X-ray sources
- Prior experience developing wireless security protocols