



Intertech Engineering Associates works with a wide range of technologies and applications almost exclusively related to medical device development. We are an outsource engineering provider to the medical device industry focusing on software and electronics technologies, along with the QA, compliance, and project management expertise that is required in the FDA regulated industry. Projects are fast paced with constant project turnover that keeps the work interesting. We are looking for experienced software engineers to join our team. Projects are organized by teams that operate primarily from our offices in Westwood, MA and Lincolnshire, IL. Some travel may be required occasionally. A diverse background, ability to work in a structured regulatory environment, and a willingness to do whatever it takes to get the job done are the keys to success.

Senior Embedded Software Engineer - Illinois and Massachusetts Offices

5+ years of strong and direct experience in developing embedded applications using following technical skills:

- C / C++ Programming Languages
- Embedded Software Development with 8/16/32 bit-wide ARM and other microprocessors
- Real Time Operating Systems
- Motion Control, Sensor and Real-World Interfaces
- Object-Oriented Design
- Electronics Debugging

In addition to strong software development and programming skills, successful candidates will have the following attributes:

- Strong communication and documentation skills required.
- Understanding of software development process and software life cycles.
- Ability to generate and work from software requirements
- Experience with source control and defect management systems
- Knowledge of formal analysis, design, and test tools.
- Ability to independently create software development and test plans.
- Ability to manage defects identified in V&V activities Experience with unit level testing and unit level test tools.
- Ability to identify new project tasks and estimate durations for completion in assigned areas.
- Ability to help define and document Intertech processes and procedures.
- Ability to multitask between multiple projects
- Work well independently on assigned tasks and function as a good team contributor.

Pluses to have:

- Microsoft Windows Embedded experience
- C# (.NET) / Java / Python / MATLAB / LabVIEW experience
- IOT experience
- Cybersecurity experience
- SQL, Relational Database experience
- UI Design

- UI frameworks like Windows Forms, QT
- Microsoft WPF subsystem for UI (preferably with MVVM design pattern)
- Microsoft SQL Server (preferably with Microsoft Entity Framework)
- Visual Studio 2013 (or greater)
- Medical device experience
- Familiarity with Agile software development methodologies like Scrum
- Medical Imaging
- Mobile Development experience
- Experience with Perforce Helix, DOORS, JAMA ALM tools

Will consider recent graduates with relevant practical (industry co-op/internship or graduate school) experience.

