



## Software Quality Assurance Engineer

The Software Quality Engineer is responsible for ensuring software quality within complex medical device products through the development and execution of software test plans by way of verification procedures based upon software and system specifications. Together with an agile team, the QA Engineer will develop and translate requirements into high quality, reliable and scalable technology and products. Our ideal candidate will have experience designing test plans, identifying, testing and filing bugs, and writing and creating automated tests, and will initially be 50% manual testing and 50% automation testing.

### Essential Duties and Responsibilities:

- Review product design documentation to ensure that requirements stated are correct, unambiguous, and verifiable.
- Consult with product development to evaluate system interfaces, operational requirements, and performance requirements of overall system.
- Define test methods and create test plans for new or updated software projects to determine if the software will perform accurately and reliably according to documented requirements as well as established standards under both normal and abnormal conditions.
- Design, develop and implement automated testing and tooling solutions with a focus on project and application-based automated functional and regression testing.
- Recommend design improvements or corrections to engineers throughout the development process.
- Maintain effective communication with the engineers on project limitation, capability, performance requirement and hardware interface changes.
- Execute test plans and create test reports to describe program evaluation, testing, and correction.
- Monitor program performance after implementation to prevent reoccurrence of program operating problems and ensure efficiency of operation.
- Conduct compatibility tests with vendor-provided programs.
- Formulate and design software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
- Create test tools that facilitate data gathering and test method execution.
- Support manufacturing by verifying fixture software or any software used during production.
- Support clinical studies by validating data collection processes.
- Participate in risk management meetings.

### Qualifications:

- Proficient in use case analysis, test cases creation, product lifecycle testing and support required.
- Experience with software testing tools and frameworks like Selenium, Jasmin, Mocha, or Jenkins

- Fundamental understanding of distributed applications, system integration, debugging and troubleshooting required.
- Experience programming languages (C, C++, or Java) or assembly-level code development, real time signal processing and I/O control.
- High level of initiative with ability to self-manage.
- Strong interpersonal skills with ability to work both independently and as part of a team.
- Excellent written and verbal communication skills.
- Prior software quality assurance experience in a product development environment preferred.
- Experience with ISO 13485 and familiarity with FDA.
- Knowledge of C and Visual Basic Languages strongly preferred.
- A commitment to our core values of passion, integrity, openness, innovation, agility, and social responsibility.
- Bachelors Degree in Electrical Engineering, Computer Engineering or equivalent technical Degree; or equivalent combination of education and experience.