

## Senior Software Test Engineer

**POSITION SUMMARY:** Responsible for planning, developing, documenting and executing manual and automated verification and validation tests at the system, product and component levels.

### ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Works with software developers to ensure system and software specifications are verifiable and unambiguous.
- Generates test plan and protocols.
- Defines test cases and test data sets based upon system and software specifications, and in collaboration with software/hardware/mechanical engineering and clinical research.
- Develops and executes manual and automated test protocols.
- Writes test summaries and verification and validation test reports.
- Design and prototype test equipment and tools that support system verification and validation processes.
- May participate in code reviews.
- Responsible for tracing system and software requirements thru to test results.
- Responsible for defect tracking process to capture and address software performance problems.
- Participates in the selection, setup and internal conventions for test tools.

**EDUCATION/CERTIFICATION:** Bachelor's degree (B. S.) in computer science, engineering or mathematics, or equivalent experience.

### EXPERIENCE REQUIRED:

- 5+ years' experience as a software test engineer, preferably including medical devices.
- Solid debugging experience, including white box testing.
- Experience developing automated and manual tests and test plans at unit, integration and system test levels.
- Experience using version control system.
- Experience managing a defect's lifecycle from inception through closure.

### REQUIRED KNOWLEDGE:

- Knowledge of software development life cycle.
- Programming experience (high level scripting languages e.g. Python, MATLAB, etc.).
- Demonstrated use of electronic test equipment (e.g. oscilloscope, logic analyzers, data generators, multimeters).

### PREFERRED KNOWLEDGE:

- Experience using Karma/Jasmine and developing automated tests.
- MySQL, SQLite, or other data systems.
- Experience working with the JavaScript MVC frameworks.
- Jenkins Integration.
- Experience working in an agile development environment.
- Linux/Unix, or Mac command line experience.

### SKILLS/ABILITIES:

- Ability to work with other teams and departments within the organization.
- Strong written and verbal communication skills.
- Ability to work under pressure and in a dynamic environment. Be willing to wear multiple hats on a small team.