

Senior Principal Test Architect

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Company: rightadvisors

Location: India

Category: computer-and-mathematical

KEY RESPONSIBILITIES:

- Guide project test engineering decisions and direction.
- Work closely with developers and Systems Engineers to understand the specifics of the Application, architecture & operating platform on which the Application would run and due considerations
- Read, analyze, understand product requirements; support requirements reviews.
- Take the high level requirements and independently complete test development per the defined processes.
- Design and execute project test plans and strategies.
- Determine and onboard application testing technologies and decisions.
- Design and execute tests using automated test tools, as well as Manual test development process, for the verification of software requirements.
- Learn and understand software standards for Medical devices, ex. IEC62304.
- Support test infrastructure set up and test tool development; such as test tools, stubs, Hardware/Firmware simulators and emulators.
- Establish and maintain traceability from software requirements to verification test design and implementation.
- Participate in the technical reviews of software requirements and peer verification test development.
- Interface with software development engineers on software implementation.
- Assist development team on debugging and solving issues discovered during test.
- Prepare, review, submit, and maintain project/product documentation.
- Provide hands-on leadership, coaching, mentoring, and software engineering best practices to junior software engineers.
- Develop reusable patterns and encourage innovation that will increase team velocity.
- Maintain, improve and design new software tools.
- Work under general

direction and collaboratively with internal and external partners.

 Education:

- Required: Bachelor of Engineering or Bachelor of Technology in Computer Sciences, Bio-Technology, Bio-Medical, Electronics or Electrical Engineering from a premium institute.

- Preferred: Masters in Engineering or Masters in Technology Computer Sciences, Bio-Technology, Bio-Medical, Electronics or Electrical Engineering from a premium institute.

Required Experience:

- 15+ years of Software industry experience.

 Required Skills/Competencies:

- 15+ years of industry experience in Software development and/or Test

- Proficiency with one or more of the following programming languages: C#

- 8+ years of experience in Software/Test framework Design & architecture

- Experience using BDD test tools/ frameworks like SpecFlow, Cucumber, or Gherkin is an advantage

- Experience developing manual / automated tests for SW / web, mobile applications

- Experience using tools like SeeTest, Selenium, Protractor, or Coded UI.

- Familiarity and understanding of one or more of the following tools: Visual Studio, Automated test tool Microsoft Test Manager, Web based applications, Eclipse, Visual Source Safe, and Requisite Pro.

- Familiarity and understanding of one or more of the following operating systems: Windows, Android and IOS

- Familiarity with both Agile and Waterfall software development methods.

- Ability to work on cross-functional project teams comprised of software verification and development engineers, system engineers, human factor engineers and quality engineers.

- Ability to test, analyze, and solve technical problems.

- Strong organizational skills.

- Strong written and verbal communication.

 Preferred Skills/Competencies:

- Design/test experience working with regulated medical devices.

- Experience working within a regulated environment.

- Local language test experience

- Experience with software version control tools.

- Quality focus, willingness to learn, versatility and adaptability
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