

Job Title: Software Test Engineer (Level 2/3/4/5)

Job Location: Colorado Springs, Colorado

Security Clearance: SECRET

Clearance Status: Must be Obtainable



Job Summary:

Responsible for a wide range of software test requirements related tasks to include design, development, integration, test, and documentation of code for the Protected Tactical Enterprise Service (PTES) program, a new global military satellite communications (MILSATCOM) ground system that will manage transmission of protected tactical waveform — a type of secure, anti-jam communication — over Boeing-built Wideband Global SATCOM (WGS) satellites and terminals. The successful candidate will be developing cutting edge technology in an agile environment.

Technology areas for this position will be focused on:

- Agile development and product line leadership
- Automated Test Tool Development and Implementation in Continuous Integration pipeline
- Container design and implementation
- Data analytics and machine learning

Duties include developing and maintaining automated test of developed software in either Java, JavaScript, or C++ with a working knowledge of the software development process including debugging, test, and integration of software tools. Duties also include working knowledge of software design and development to meet system requirements, implementing designs and fixes to address software problem reports, identifying adequate test approaches for optimal code coverage and then implementing Java based unit and integration tests to exercise interfaces and functions of the system within a Jenkins/Maven continuous integration environment. The position may require periodic travel on an infrequent basis.

As a member of the PTES team, you will be involved in the entire software development lifecycle, from idea creation and development, all the way through to maintenance and support of the customer's delivered system. The position will place you in roles where you have the opportunity to make an impact on the results of the overall project and participate in a collaborative mentoring environment where you have the opportunity to learn from others.

Primary Responsibilities:

- Perform software automated test development tasks within an agile development framework as a general member of a larger engineering team
- Actively collaborate with team members to derive solutions to complex problems affecting multiple Computer Software Units (CSUs) within a complex system
- Integrate and test compiled software components within a continuous integration environment

- Develop automated unit and integration tests within a JUnit framework
- Assist other developers in resolving test failures

Required Qualifications:

- Ability to obtain an interim U.S. Government SECRET security clearance (requires US Citizenship)
- Existing proficiency and ability to code in either Java, Javascript, or C++
- Working knowledge of the development process including debugging, test, and integration of software tools
- Familiarity with requirements allocation and traceability
- Good verbal, written, communication, and interpersonal skills
- Ability to work independently as well as within a team

Preferred Qualifications:

- Current U.S. Government SECRET security clearance (requires US Citizenship)
- Experience with SATCOM Mission Planning and Management
- Experience working with Service Oriented Architecture (SOA) technologies, protocols and products
- Experience with RESTful and SOAP web services methodologies and technologies
- Experience developing software with a high level of automated test code coverage
- Familiarity with automated test and test-driven development concepts, tools, and languages
- Prior experience working in an Agile/Scrum team using Jira/Confluence/Maven/Jenkins highly desirable

Educational Requirements:

- *Engineer Level 2:* Bachelor's degree and 2 or more years relevant experience, or an equivalent combination of technical education and experience (e.g. Associates + 6 years' related work experience)
- *Engineer Level 3:* Bachelor's degree and 5 or more years relevant experience, or an equivalent combination of technical education and experience (e.g. PhD, Masters +3 years' related work experience)
- *Engineer Level 4:* Bachelor's degree and 9 or more years of experience, or an equivalent combination of technical education and experience (e.g. PhD +4 years' related work experience, Masters +7 years' related work experience)
- *Engineer Level 5:* Bachelor's degree and 14 or more years of experience, or an equivalent combination of technical education and experience (e.g. PhD +9 years' related work experience, Masters +12 years' related work experience).

(Degrees must be from an accredited course of study in engineering, computer science, mathematics, or physics)

Ascension Engineering Group is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.