

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

Job Location: Colorado Springs, Colorado

Security Clearance: SECRET

Clearance Status: Must be Obtainable



Job Summary:

The WGS-11 spacecraft is the 11th in the fleet of the Wideband Global SATCOM (WGS) constellation of satellites. The Global SATCOM Configuration Control Element (GSCCE) is responsible for controlling the payload of all on-orbit WGS satellites while incorporating enhancements necessary to control the new WGS-11 satellite. The successful candidate will be responsible for a wide range of software development tasks to include design, development, integration, documentation, and maintenance of code for the GSCCE upgrade to accommodate WGS-11. Duties will include software design and development to meet system requirements, implementing 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 continuous integration environment. The position may require periodic travel on an infrequent basis.

The addition of the 11th satellite (WGS-11) to the constellation has provided an opportunity to move the team's software factory to a cloud-based development environment hosted in AWS GovCloud while also maintaining an operational deployment target on private cloud infrastructure using VMware vSphere. The solution will include the following technology stack: Docker, Container-D, Kubernetes (Rancher RKE2), Helm, Terraform, Ansible, GitLab, Nexus, Artifactory, Jenkins, Maven, Jtest, SonarQube, Crucible, Confluence, Jira, Mattermost, Eggplant, and ReadyAPI.

Primary Responsibilities:

- Perform software development tasks within an agile development framework as a member of a larger engineering team
- Actively collaborate with team members to derive solutions to problems affecting multiple components within a complex system
- Integrate and compile software components into builds within a continuous integration environment
- Develop automated unit and integration tests
- 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 with Java and C/C++
- Experience working in an Agile development environment using a CI/CD pipeline
- 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)
- Existing expertise with Java is highly desirable
- Experience with containerization, Kubernetes, and microservices design and implementation
- Experience working with Service Oriented Architecture (SOA) technologies, protocols and products including JBoss, ActiveMQ, and BPEL orchestrations
- Experience with RESTful and SOAP web services methodologies and technologies
- Experience developing software with a high level of automated test code coverage
- Familiarity with the use of Java Message Service (JMS), topics, and queues
- Familiarity with automated test and test-driven development concepts, tools, and languages
- Experience with customers and systems in the DoD and/or commercial space communities

Educational Requirements:

- *Engineer Level 2:* Bachelor's degree and 3 or more years relevant experience, Master's degree and relevant experience, or 6 or more years relevant military satellite communications experience
- *Engineer Level 3:* Bachelor's degree and 7 or more years relevant experience, Master's degree and 4 or more years relevant experience, or 10 or more years relevant military satellite communications experience
- *Engineer Level 4:* Bachelor's degree and 12 or more years of experience, Master's with 9 or more years of experience

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

In compliance with Colorado's Equal Pay for Equal Work Act, the salary range for this position is \$78,000 to \$132,000. Ascension Engineering Group considers factors such as work experience, education, key skills, and position role when extending an offer.

Ascension Engineering Group is an Equal Opportunity 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.