

Job Title: Software Engineer (Level 3/4)
Job Location: Colorado Springs, Colorado
Security Clearance: SECRET
Clearance Status: Must be Obtainable



Job Summary:

Responsible for a wide range of requirements definition and software development related tasks for the High-Altitude Balloon (HAB)/Low Earth Orbit (LEO) satellite platform. This position will specifically focus on the development of a telemetry, tracking, and command (TT&C) subsystem that acts as the command and control (C2) ground segment using commercial off-the-shelf (COTS) software-defined radio (SDR) hardware and National Aeronautics and Space Administration's (NASA) open source OpenMCT mission management system. System development will also include embedded Linux development support for the payload processor architecture. The successful candidate will develop cutting edge technology in an agile environment. We seek candidates who have skills in software engineering or software development. The position will require infrequent, periodic travel.

Technology areas this position will be focused on are:

- Data storage, analysis, and visualization
- Development of drivers to support interfaces (in Java)
- Development of command line based commanding utilities (in C/C++)
- Embedded Linux development support

The candidate should be able to code in either Java or C/C++ and have a working knowledge of the development process including debugging, test, and integration of software tools. As a member of the HAB/LEO satellite platform, 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 a role where you have the opportunity to make an impact on the results of our project. The project team offers a collaborative mentoring environment with opportunity to learn from others across multiple disciplines.

Required Qualifications:

- Ability to obtain an interim U.S. Government SECRET security clearance (requires U.S. Citizenship)
- Existing proficiency with Java or C/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
- 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 tools to assist software development such as Jira and Jenkins is highly desirable
- Experience with satellite systems, products, and interfaces

Educational Requirements:

- *Engineer Level 3:* Bachelor's degree and seven or more years relevant experience, Master's degree and four or more years relevant 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)

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.