



Software Unit Tester

Position Overview: SSI will be hiring a Software Unit Tester in Houston TX to support our Federal Agency Client. This is a hybrid Position requiring access to facilities in Houston TX.

Locations: Space Park Drive, Houston TX

Duties and Responsibilities:

- Perform a gap priority assessment of Artemis II capabilities based on the following:
- Using the requirements that have safety or hazards controls identify the software classes (note: methods within classes will be identified by inspection) that would require additional assessments. This will require working with SMEs on the software team to concur with the assessment.
- Using cyclomatic complexity (> 5) identify additional classes and methods
- Taking the results of Phase 1 perform developing the appropriate tests / rationale and perform test or document rationale in the SDF the results and hold a review with appropriate stakeholders
- Problem reports for any failed test cases or defects found in the code and/or requirements
- Details of the test environment, commercial tools, configuration set-ups, proprietary routines, and any other information required for reproduction of the tests
- Unit Test stubs and drivers
- Provide support and assistance to the software development IPTs to enable them to reproduce the automated testing coverage, results, and flight software artifacts in their software development folder testing environment
- Conducting software peer reviews and documenting the results of the reviews in accordance with DRD CEV-T-007 as directed by the technical POC

Requirements

- **Knowledge of software unit test processes required**
- **Experience with unit test for the C or C++ languages required**
- **Experience with Google test software test tool required**
- Experience with embedded flight software
- Multiple platform experience helpful (Unix, MS Windows, Linux)
- Assistance with resolution of unit test issues
- Excellent communication and teamwork skills required
- Experience with Matlab/Simulink desired
- Bachelor's Degree and 5+ years of experience required

Security Qualifications:

- Successful Completion of a Background Check
- Must be a US Citizen

All qualified applicants will receive consideration for employment without exception

Salary Range Dependent upon Qualifications and Experience

\$112,000-\$118,000