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# Example of Flight Software Engineer Job Description

Our company is hiring for a flight software engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for flight software engineer

* Coordinate modifications of the FSW subsystem with the Aqua/Aura Flight Software Maintenance (AFM) Team
* Develop and maintain a comprehensive knowledge and understanding of the Aqua/Aura simulators
* Participate in the technical and programmatic aspects of a project
* Providing solutions to an engineering team in development of software
* Participate in new business pursuits
* Analysis and design of semi-complex functions
* Reviewing and verifying GPS navigation payload flight software for current and future satellite systems
* Ensuring effective requirements integration across space and ground, hardware and software, and all other aspects of systems and organizations within the GPS Enterprise
* Interacting with the prime contractor and government leads to ensure that all system requirements and interfaces are consistent and valid across the GPS Enterprise
* Developing, documenting, executing, integrating and evolving systems engineering processes as required to enable effective GPS systems engineering and integration efforts

## Qualifications for flight software engineer

* Knowledge of test process and development process methodologies
* Proficiency in C and debugging software
* Experience decomposing requirements into verification test steps and documenting test results
* Previous experience with subcontractor management
* Previous spaceflight project experience
* Experience with partitioned based RTOS