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# Example of Flight Software Engineer Job Description

Our company is looking for a flight software engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for flight software engineer

* Interface with NASA and prime contractor engineering teams
* Designing software modules that implement the functions of the Avionics subsystem that include flight system hardware/software interfaces, boot process, C&DH functions, System Fault Protection, and other subsystem applications (e.g., GNC, Power, Thermal, ) in both nominal and off-nominal scenarios
* Tracking earned value and software metrics (SLOC, productivity, defect tracking)
* And driving successful execution of all software development activities
* Lead the technical and programmatic aspects of a project
* Managing budget and schedule
* Providing effective oral and written interaction with customers
* Providing guidance to an engineering team in development of software solutions
* Software design, development and verification of real-time embedded software applications
* New business pursuits

## Qualifications for flight software engineer

* For Eng III labor grade, requires minimum 5+ years experience in addition to subject matter technical proficiency and experience on multiple engineering projects
* Bachelors of Science Degree in Computer Science, engineering, math, or science discipline
* 6 months experience with C++
* Prefer minimum of 3.3 GPA
* Experience in C++ for high performance systems
* Developed, debugged and deployed software that has been used in real world applications/projects