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# Example of Flight Software Engineer Job Description

Our innovative and growing company is looking to fill the role of flight software engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for flight software engineer

* Write high quality structured bare metal, Linux based software for embedded processors
* Build and encryption process of receiving CSCI deliveries
* Perform suitability checks of delivered products
* Generation of PC build formal OFP build process
* Troubleshooting product and build anomalies
* Maintaining tools/scripts (Perl)
* Lead the team into project execution by providing training technical and administrative guidance on standards, procedures and policies while working in a multicultural team
* The primary responsibility in this role is the oversight of software vendors
* Provides technical guidance to software vendors and ensures contractual obligations are being met
* Ability to analyze and review requirements, design, source code, test procedures and test results for accuracy and adherence to requirements

## Qualifications for flight software engineer

* Minimum 10+ years of hands-on experience in the design of flight control laws (algorithms & software) for aviation applications
* Bachelor’s degree in a computer related engineering field with a minimum 6 years of related experience
* FMS domain experience
* Strong Real-time embedded systems experience
* Strong systems and software requirements experience
* Ability to investigate difficult software issues