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# Example of Systems Software Engineer Job Description

Our company is searching for experienced candidates for the position of systems 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 systems software engineer

* Executes and writes portions of testing plans and documentation for assigned portion of application
* Hands-on work to develop and certify Auxiliary Power Unit control systems and software
* Establish and manager product requirements flow down for airborne engines/systems using DOORs or similar tool
* Define control methods and develop automatic test systems used to validate requirements
* Follow-up with other engineering groups to assure design performs as specified
* Support customer activities, specifically rig and flight test support
* Review data to ensure the system is functioning properly
* Issue detailed technical reports to document results
* Coordinate with other engineering and company departments to achieve optimization of the control system, based on established constraints
* Build a strong relationship with clients, partners and parent company technical team in a partnership environment

## Qualifications for systems software engineer

* Knowledge in Scripting (Shell, Powershell, Python, Ruby & Perl)
* Software development (C, C++, PHP, Python [& Django web framework], JAVA, HTML, JS, CSS, Perl)
* 10+ years exceptionally strong engineering competency in C/C++, C#, OpenCV, OpenGL, PythonExperience with Labview and Matlab is a plusExtensive programming experiences on Windows, Linux, AndroidExtensive programming experiences on 2D/3D images processing 5+ years image sensor and camera experience5+ years USB programming and debugging experience5 years of experience withintegrating cameras into customer systems
* 4+ years’ experience with Linux and Windows
* 2+ years’ experience with Android and/or iOS
* Proven ability to analyze commercial technologies