



Example of Senior Application Software Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of senior application 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 senior application software engineer

- Develop software solutions as defined by subsystem requirements
- Responsible for the full life cycle development of flight display application software, such as MFD DM, EICAS, CDU DM, FSAM using a variety of programming languages, including Ada, C, C++, and Python
- Execute according to engineering plans, elevate issues that may impact the plan, and push back when necessary with alternative solutions to preserve the plan
- Support peers in order to meet commitments as a team
- Develop open and closed loop control algorithms for wind power applications
- Support factory and site acceptance tests with customers
- Transfer simulation models into C-Code (automatic and manual)
- Perform root cause analysis in complex software architectures
- Implementation of fieldbus protocols like CANopen, Profinet
- Create scripts for automatic build machines (Scons based)

Qualifications for senior application software engineer

- BS in CS/CE/EE with 6 years or MS with 4 years of Linux Driver design and development software experience
- Proficiency in C/C++ , object oriented design

- Experience with OpenCL/OpenMP
- Knowledge of Linux kernel DRM/GEM framework