



Example of Software / Firmware Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of software / firmware 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 software / firmware engineer

- Designing and implementing low level embedded code such as boot, firmware load, firmware patching, and radio calibration/trimming
- Software bring-up for new FPGAs, chips, and boards
- Developing and maintaining tools and firmware for radio control and production test
- Providing software deliverables required by the hardware engineering team
- Collaborating closely with the software engineering team
- Work often involves analog and digital hardware and real-time operating systems
- Work on bugs reproduction, do first analysis, work with bug tracker
- Maintain C code on DVR's and body cameras
- Define tests against requirements document for hardware performance
- Conduct functional and performance testing on DVR's and Body cameras to include automated testing

Qualifications for software / firmware engineer

- Be familiar with Linux/Windows Operating system
- Have the knowledge about building/compiling a big and complex project
- Have the experience in code management tool such as SVN, GIT, and Perforce

- Know how to debug and write simple scripts using PERL, ruby, and Linux shell language
- Should be very familiar with Linux common command