



Example of Firmware Engineer, Engineer Job Description

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Our growing company is looking to fill the role of firmware engineer, 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 firmware engineer, engineer

- Strong competency in design of microprocessor based real time firmware at both the C and assembly language level
- Occasional creation of utility software using C++, Perl and PHP
- Writing firmware for embedded u-controllers / Microcontrollers in C
- Build and improve on tools for validation, testing and debugging of firmware
- Collaborate with in-house and external hardware design engineers throughout the system design and development process
- Identify hardware and software platforms to develop current and future products on
- Develop test plans for firmware/hardware design-proof testing and feasibility studies with regard to cost and schedule for specified firmware designs
- Investigate modes of failure with regard to legacy firmware
- Provide technical support to Customers and work directly with customers, and internal teams to identify customer requirements, establish design expectations, and agreed upon design, performance, and goals for projects
- Develop and maintain project timelines to ensure all key deliverables are met

Qualifications for firmware engineer, engineer

- An absolute passion for delivering high-quality software solutions
- Implementation of firmware features based on systems level requirements

- Create world class embedded software/firmware for end-user device applications diagnostics software to test device hardware
- Familiarity with ISP pipelines for CMOS image sensors
- Experience in Python or Perl scripting