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# Example of Hardware Developer Job Description

Our company is growing rapidly and is looking for a hardware developer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for hardware developer

* Develop high performing and highly reliable engine control hardware solutions for our continuously growing product portfolio
* Take on hardware development tasks at different stages from conceptual design phase to market introduction
* Contribute in a strong team to turn clear product requirements into reliable hardware solutions
* Support the sourcing department on parts procurement, logistics, cost-out initiatives and component phase-out programs
* Communicate and cooperate seamlessly and boundary-less in a global development team with colleagues located all over the world
* Work with the team to research, design, implement, verify and deploy next generation FPGA based hardware trading solutions
* Provide and understand requirements, architectural tradeoffs and develop hardware solutions that maximize system efficiency for performance-critical code handling very large volumes of real-time data at low latencies
* Develop tools that enable productivity and deployment (automated testing, system performance analysis, high level synthesis, domain specific languages and compilers)
* High speed I/O bus architecture (PCI Express, USB, SAS/SATA)
* Processor interfaces

## Qualifications for hardware developer

* Ability to write automated RF test software, HP VEE, Labview, C#, et
* Good at using lab equipment, such as oscilloscope, Logical Analyzer, Signal Analyzer, Signal Generator
* Familiarity with electrical engineering lab equipment (oscilloscopes, function generators), setup
* Demonstrated embedded development experience, including Arduino, processing and other platforms
* PCB (schematics, layout) design experience and manufacturing
* BS in Electrical Engineering or related discipline 3+ years industry experience in prototyping, hardware electrical and simple mechanical systems