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# Example of Embedded Systems Job Description

Our company is hiring for an embedded systems. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for embedded systems

* Microcontroller/microprocessor (including multi-processor) system design (MSP430, ARM, and FPGA)
* Firmware development related to low level I/O and control, algorithm implementation, and external communications (wired and wireless)
* The development of embedded/mobile sensing and computing devices operating from batteries and/or energy harvesting devices developing data collection, real time control, and analysis systems
* Multiple machine-to-machine interface and networking protocols
* Real-time analog/digital signal processing, audio/video analytics
* Real-time locating systems
* Satellite and cellular communications
* Establish top-level project timelines for system development
* Utilize agile, iterative approaches to manage development efforts
* Provide active support for low cost and high volume brewer production

## Qualifications for embedded systems

* Bachelor’s degree in Electrical Engineering, Computer Engineering, or related field of study, Master’s degree is a plus
* Professional experience, preferably in a fast-paced software development environment
* Proven ability to explain complex engineering or science concepts clearly
* Ability to work collaboratively within cross-function product teams and a multi-writer team
* Experience modeling dynamic systems
* Knowledge of Automotive Communication Networks (CAN, LIN)