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# Example of Embedded Systems Job Description

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

## Responsibilities for embedded systems

* Isolate and correct problems found in diagnostic or system software
* Plan and write internal and interface documentation for software
* Interface with the technical writing staff to produce customer facing manuals and user documentation
* Validate model based designs using desktop simulation packages (MIL & SIL)
* Interact with other teams to develop controls requirements
* Develop and maintain design documentation
* Support tools development, compiler setup, static analysis, and software configuration management
* Manage multiple tasks and responsibilities
* You will be the technical bridge between the Linux kernel team, the Bootloader team, and the Autopilot software group
* You will write system software to configure components such as GPS and temperature sensors, optimizing for optimum performances of the Autopilot stack

## Qualifications for embedded systems

* 2+ years knowledge of Vehicle CAN / LIN communication networks
* Solid knowledge of 3GPP/3GPP2 standards
* General understanding of CAN and OTA (Over The Air) security requirements
* Familiarity with in-vehicle network architecture, modules, and protocols (CAN )
* Solid understanding of Computers Architecture
* Solid understanding of RTOS