Downloaded from <https://www.velvetjobs.com/job-descriptions/embedded-software-development>

# Example of Embedded Software Development Job Description

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

## Responsibilities for embedded software development

* Generate complete software development life cycle artifacts for embedded software in support of electrical power systems in accordance with aviation guidelines
* Coordinates the design, development and testing of new applications, interfaces
* Prepares, reviews and approves documents, including requirements analysis, design, unit testing plans, release notes and user guides
* May interact with clients to define system requirements and/or necessary modifications
* Delivers training, supervision and mentoring to the software development team
* Responsible for LED driver power stage and control circuit design & hardware debugging skills
* Topology selection such as buck ,boost, buck-boost or fly-back selection in terms of different application
* Key components design and selection , like inductor ,transformer design & power semiconductor selection & verify
* Power stage components loss analysis
* Drafts limited continuous improvement projects within one development unit or laboratory

## Qualifications for embedded software development

* 2~3 years experience of engineering development
* Basic knowledge of software development
* Basic knowledge of at least one programming language (C, Matlab/Simulink)
* Basic knowledge of electric and electronic circuit
* Basic knowledge of network and data link (CAN, J1939, Ethernet)
* IPA Embedded Systems Specialist Examination (ES) or similar credentials