



Example of Embedded Firmware Engineer Job Description

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Our growing company is searching for experienced candidates for the position of embedded firmware engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for embedded firmware engineer

- Be a part of a highly skilled team that designs, implements and tunes firmware for UAV
- Design and develop code for ARM based microprocessors with embedded Linux operating systems
- Utilize embedded API's and develop new API layers required to interface embedded platforms to the cloud and remote wired and wireless sensors
- Develop and maintain embedded web applications required to initialize, configure and customize embedded platform applications
- Diagnose, analyze, and maintain product connectivity to the internet and Cloud based servers
- Develop and maintain internal database structures required for communicating and transmitting/receiving data from the Cloud
- Develop Web based application portals that can be viewed either locally or remotely via the Web
- Updates job knowledge by researching new embedded technologies and software products
- Experience with configuration in hardware/software design and implementation
- Act as an individual contributor writing and maintaining firmware for the engineering team

Qualifications for embedded firmware engineer

- Must have experience with Windows Powershell development and Linux shell scripts
- Must have working knowledge of BMC and BIOS architecture, and a solid understanding of IPMI
- Must have knowledge in WinPE
- Must have knowledge in Storage devices and configurations
- Must have knowledge in Network Cards and IP addressing concepts