



Example of Embedded Firmware Engineer Job Description

Powered by www.VelvetJobs.com

Our growing company is looking to fill the role of embedded firmware engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for embedded firmware engineer

- Develops firmware architecture
- Identifies developmental critical path
- Define, Design and development of Secure Embedded Code
- Develop methodologies and tools to measure and enhance security and quality of BIOS and embedded control systems
- Refactoring for security hardening and automated testing
- Collaborate with architects, marketing personnel, program managers and other developers to provide technical trade-offs and develop a realistic schedule for the deployment of complex features
- Evangelize secure development principles, and provide mentoring and thought leadership across the organization
- Perform Dynamic and Static Code Analysis using industry accepted models
- Integration, validation and debug of distributed embedded systems
- Prepare and present software/firmware technical presentations for internal design reviews, and design discussions with OEM customers

Qualifications for embedded firmware engineer

- Currently enrolled and pursuing bachelor degree in Electrical Engineering, Mathematics or Physics or related field from an accredited university
- Bare Metal C Programming in embedded systems, RTOS, Linux
- Fault finding of electronic assemblies to component level

- Embedded integration with cloud and server back end infrastructures is a plus
- Direct design experience with grid-tie/grid interactive inverters or Power Line Communication is a major plus