



Example of Staff Firmware Engineer Job Description

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Our growing company is hiring for a staff firmware engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for staff firmware engineer

- Pro-actively identify and mitigate risks and resolve road blockersUnderstand low power systems design and implementation principles
- Design, implement and test new products and be able to improve existing products
- Analyze and troubleshoot field and factory reported product defects
- Within a team, execute projects for on-time delivery of project goals and objectives
- Contribute to and review technical solutions for product improvements
- Work with partners to ensure design compatibility and system integration
- Perform design reviews with hardware team
- Perform Unit Test Cases, Performing "White Box" Testing on FW
- Writing simple programs (tools) to help perform Unit Test and repeatability testing
- Properly managing Firmware in subversion

Qualifications for staff firmware engineer

- Experience in using a real time operating systems, ThreadX, is a plus
- Typically requires a Bachelor's degree in Electrical or Computer Engineering and 8+ years of related experience or a Master's degree in Electrical or Computer Engineering and 5+ years of related experience or a PhD with 2+ years of experience or equivalent experience
- Prior experience with electronics-based medical device development preferred

- The candidate must have exceptionally good knowledge of real-time design and embedded operating systems and be familiar with the OSI communication standard
- Excellent written and oral communication skills, along with the proven ability to interact with other disciplines outside of engineering are a must