



Example of Systems Software Engineer Job Description

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Our growing company is looking for a systems software engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for systems software engineer

- Assigned multiple tasks or projects are generally reviewed after completion
- Contact is typically coordinative in nature and involves exchanging detailed technical information
- Designs and codes from specifications, analyzes, evaluates, tests, debugs, documents, and implements moderately complex software applications
- Participate in technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for mechanical, electrical, software and integrated systems
- Develop Model-Based Systems Engineering (MBSE) products using SysML and other modeling languages
- Acts independently to identify and select appropriate methodologies
- Design, develop, integrate, and test high performance and reliable software to support various RT Logic products and projects
- Use C++ and modern software design techniques to develop real-time solutions for various Linux based platforms
- Collaborate with systems architects to design software solutions and guide the activity of entry-level developers
- Work with RT Logic engineers to perform design tradeoffs and develop solutions in accordance with product architectures

Qualifications for systems software engineer

- Typically requires a bachelors degree, masters degree or PhD in computer science, information system or related discipline and progressive software development experience as follows
- Proficiency in software development, outstanding Unix/Linux environment designing skills is required
- Regular attendance is a necessity and adequate arrangements for delegating duties during absences are required
- Data mining, Data scientist
- Requires at least 10 years of software and system engineering experience for federal programs
- Candidates must possess sufficient communication skills to effectively interact with senior management and scientific staff internally and within client organizations, subcontractors, and consulting forums