

Senior Software Design Engineer

Seeking a software engineering professional to participate in the analysis, design, development, test, modification and integration of software systems or subsystems for designated products and/or customer applications.

Conduct software development using industry standard tools and methodologies, and strong knowledge of system and software architecture. Analyze and resolve complex system integration challenges in both laboratory and fielded environment.

BASIC QUALIFICATIONS: BS in technical major such as Computer Engineering, computer Science, Electrical Engineering or other relevant technical degree

- Minimum 8 years recent software development experience including design, development, test, and integration of system software components.
- Works with complex hardware interfaces in a real-time environment.
- Writes software requirements, detailed design documents, develops and performs unit testing of real-time embedded or application software.
- Performs software development in software engineering projects of moderate to significant complexity.
- Requirements Analysis, System Architecture, Network Design knowledge
- Experience in all phases software development lifecycle, tools, and methodologies
- Object Oriented Design & Development, OOA/D,UML, Rational Rose
- Application Development: C/C++, XML
- Unix/Linux Operating System knowledge
- Data querying and analysis, scripting tools, automation
- Software process, peer reviews, defect tracking, change control

DESIRED QUALIFICATIONS:

- Experience in Databases: Relational, Object Oriented, XML
- Network Protocols: TCP/IP, UDP, NTP, NFS
- Real-Time Software: Network interfaces
- Application Development: XHTML, PHP, Javascript, Ajax,
- Able to maintain effectiveness in varying environments, tasks, responsibilities, adapts quickly to changing circumstances
- Experience with image and video processing.