

Software Development Engineer

Responsible for complete range of software engineering responsibilities required for any given project including, development of software requirement specifications, software design, software implementation, module and system level testing, debugging, installation, maintenance and support. The Software Development Engineer has been deemed a safety sensitive position.

VJ Electronix requires all new job applicants to be vaccinated against the COVID-19 virus.

Job Description:

- Responsible for all activities in Software Design Life Cycle (SDLC)
- Assisting with system proposals and scope review (software requirements analysis, design, etc.)
- Interact with a cross-disciplinary engineering team (mechanical, electrical, software, imaging) to review, define, and design integrated system solutions to meet requirements of worldwide customers
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code.
- Prepares and installs solutions by determining and designing system specifications, standards, and programming.
- Develop and maintain best practices and quality processes for entire SW development function
- Occasional travel to HQ in NY and customer sites worldwide to participate in concept and technical discussions, or trouble shooting approx. 5%.

Essential Skills:

- Bachelor's Degree in Computer Science or Computer Engineering (or other engineering discipline) with 5 to 7 years of hands-on software development experience in a highly technical, fast paced, team-oriented environment.
- Proficiency in the English language with established written and verbal communication skills
- Complete understanding of SDLC and technical requirements
- Experience with Digital Imaging related software development
- Experience with integrating APIs for new hardware devices into existing software
- Experience with real time hardware programming:
 - Motion control
 - Heating control
 - Image capture and processing
- Integrating new Image processing algorithms into existing software
- Prior experience in a quality assurance, controlled design environment.
- Must be highly organized and self motivated
- Languages: C/C++, .NET environment, C#, Visual Basic, MATLAB, Image Processing toolbox. Strong C# .NET experience required
- Must be proficient with the Windows platform, Visual Studio development tool, Oracle and SQL databases and SVN configuration management tool.
- Must be legally authorized to work in the US and must be able to successfully pass a complete background check and drug test

Non-Essential Skills:

- Familiarity with MS Office
- X-ray imaging system experience a plus
- Image processing experience ideal

Physical Requirements:

- Must be able to frequently communicate and exchange information in a team environment.
- Must be able to constantly operate standard office and industrial equipment.
- Must be able to occasionally move up to 25 pounds.
- Must be able to constantly work in a stationary position.

The contents noted within this job description are not all inclusive and are subject to change.