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# Example of Research Software Engineer Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of research 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 research software engineer

* Develop the processes that will be required for building interactive systems that are distributed across multiple networks
* Work closely with EESE during the GTDS hand-off of developed processes, methods and tools
* Staying up to date and informed about breakthrough artificial intelligence (AI) technologies with the potential to transform business, the workforce or consumer experience
* Working closely with teammates and industry experts to design and implement prototypes that demonstrate the potential of the team’s ideas
* Configure, program and troubleshoot various laboratory automation platforms
* Identify process improvement opportunities, establish solutions and implement changes
* Investigate and recommend new laboratory automation platforms and upgrades to existing tools, while assessing risk and impact to maintenance data or activities
* Participate in project teams to help identify requirements for new functionalities and perform impact analysis
* Monitor equipment, product and system performance to ensure operational quality, and report issues
* Serve as the liaison with the vendors for a complete product conversion installation, upgrades or patches and support as required

## Qualifications for research software engineer

* Masters of Science in Computer Science or other related field
* A natural curiosity and desire to understand and even contribute to the entire technology stack
* Ability to work with multiple technologies.
* J2EE development - strong programming experience and skills
* 5 years of experience with enterprise quality software development
* Comfortable with software installation, configuration and system administration