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# Example of Automation Software Engineer Job Description

Our company is looking to fill the role of automation software engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for automation software engineer

* Review business requirements and software system designs for testability
* Lead a team of remote engineers in an automation drive
* Develop SEMI compliant Factory Automation software that continues to integrate our electron microscopes into Semiconductor FABs
* Participate in the full software development lifecycle from inception to completion including requirements analysis, specification, design, implementation, and testing
* Add to and improve existing code to meet requirements for flexibility, new features, and maintainability
* Interact with 3rd party vendor to implement new functionalities
* Support customers by both reviewing specifications and providing on-site integration and validation
* Eligible for passport and able to travel
* Leading regression testing activities for initiatives across assigned projects, utilizing processes, methods, metrics and software that ensure the quality, reliability and systems safety and security
* Provide training and guidance for the manual testers

## Qualifications for automation software engineer

* Degree Qualified in Engineering, Computer Science or a related field
* Thorough experience with Windows command line and UNIX shell
* Interest in infrastructure work and development
* Ability to describe your design and reasoning in English
* Happy-to-help, can-do attitude
* Well thought-out ideas but the flexibility to implement the ideas of others