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# Example of Simulation Software Engineer Job Description

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

## Responsibilities for simulation software engineer

* Accurately estimate software development efforts
* Develop, implement, test, and debug real time software applications and associated user interfaces
* Integrate software with hardware
* Support and enhance existing software products as necessary
* Collaborate with software engineers, testers, hardware engineers, and project management
* Interact with customers and vendors as necessary
* Develop engineering estimates for Rough Order of Magnitude (ROM) and Bid proposals, using applicable enterprise estimation tools
* Proactively identify and communicate technical software issues, and elevate these to leadership as necessary
* Architect effective software product designs
* Develop detailed software specifications and provide accurate time estimates for the software development

## Qualifications for simulation software engineer

* Programming expertise required in Intel Fortran, Visual Basic, C++, .NET (C#)
* Objected oriented language
* Agile Process Tools
* Bachelor or Masters in a Technical Engineering Discipline
* Experience in High Level Architecture (HLA) or distributed simulation
* BS, MS, or PhD degree in Engineering