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# Example of Senior Principal Systems Engineer Job Description

Our growing company is searching for experienced candidates for the position of senior principal systems 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 senior principal systems engineer

* Perform requirements analysis, design and integration
* Perform field deployments of the engineered solution
* Diagnose and resolve the complex performance, security and/or technical challenges related to the hardware and OS/apps listed below
* HP Blade servers to HP DL380 G10 host servers
* HP Thin clients
* Cisco router and switch replacements
* Cisco VTC upgrades
* Cisco VoIP phone upgrades
* Development of documentation for operations and maintenance
* Determine system needs and translate into verifiable performance and design requirements for solid rocket propulsion systems

## Qualifications for senior principal systems engineer

* TS/SCI with the ability to pass CI Polygraph
* Experience writing, debugging, and optimizing SQL queries
* Experience with ETL and data processing tools such as Knime/Alteryx is strongly desired
* Experience with reporting and analytical visualization tools such as Tableau or similar strongly desired
* Experience with ticketing systems is a plus
* Experience working with validated systems is preferred