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# Example of Principal Systems Engineer Job Description

Our innovative and growing company is looking for a principal systems engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for principal systems engineer

* Identify, implement & maintain inventory, and manage upgrades and software/firmware updates of global network platforms
* The role may include interfacing with external customer technical representatives, internal engineering associates and program management and may also involve technical responsibility for subcontracted flight components
* Candidate may be called on to assist in new business activities such as conceptual design and analysis for proposals and funded studies and may include authoring sections for both
* Fosters a culture of risk analysis, problem identification, and problem resolution to ensure early identification of technical and project risks/issues
* While communicating with the OEM (APMs, platform specific databases)
* Resolve technical issues identified by end users of active simulation tools
* Support periodic customer briefings
* Provide subject matter expertise and mentoring
* Providing consulting and advisory support and guidance for the definition and resolution of complex technical issues
* Write and strategically develop function and design specifications using appropriate tools to achieve product definition and design goals

## Qualifications for principal systems engineer

* Knowledge of best practices for virtualized Microsoft Windows Servers
* Bachelor’s degree in field of system engineering, computer science, information assurance, or related field with 7-9 years related experience
* Relevant Windows experience and virtual computing experience (related certifications preferred)
* Strong security engineering background with experience in Windows 7/8/10, Windows Server 2008/2012, Active Directory, SQL, networking, VMware VSphere, and auditing
* Experience with RMF process, IA tools, STIGS, and SCTM control mapping
* Security + CE, and DoD 8570 certification, IASAE level II