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# Example of Information Systems Security Engineer Job Description

Our company is growing rapidly and is hiring for an information systems security engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for information systems security engineer

* Present technical document to internal and external customers
* C&A activities account for 50% of the workload for Engineering Support at a rate of 15 solutions per week
* Lead System Security Engineering (SSE) and Cybersecurity/IA efforts by establishing or validating the system boundary in describing the IS, its functions, information types operating environments, and security requirements
* Capture and refine information security requirements and ensure that the requirements are effectively integrated into information systems throughout the System Development Life Cycle (SDLC)
* Employ best practices when implementing security requirements within an information system including software engineering methodologies, system/security engineering principles, secure design, secure architecture, and secure coding techniques
* Conduct security control assessments
* Coordinate the system security related activities with ISO’s, ISSM’s and CCP’s
* Represent IA in the configuration management process
* Plan and conduct annual and/or ad hoc vulnerability scanning and security control assessments at customer sites to ensure compliance with Authorizing Official requirements (Continuous monitoring)
* Participate in proposal efforts containing Cybersecurity/IA-related SOW/tasks to address scope, capability, cost, schedule, and resources

## Qualifications for information systems security engineer

* Must have CEH (Certified Ethical Hacker) Certification
* Utilize engineering principles and experience to prepare engineering drawings, technical basis's, engineering change notices, work requests, equipment specifications, purchase requisitions, engineering transmittals, as necessary to accomplish assigned tasks
* Be comfortable interfacing with military and civilian management, project teams from various regions
* Be able to communicate with the Customer and understand their needs
* Must currently have an active TOP SECRET clearance or have had a TOP SECRET clearance that is currently in a dormant status
* Must have or be eligible for the Top Secret “SCI” designator