Downloaded from <https://www.velvetjobs.com/job-descriptions/cybersecurity-systems-engineer>

# Example of Cybersecurity Systems Engineer Job Description

Our company is hiring for a cybersecurity systems 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 cybersecurity systems engineer

* Integration and optimization of Linux Systems and Security Applications
* Develop micro service applications (containers)
* Configure and harden Linux hosts
* Perform functionality testing of deployed systems and security applications
* Integrate Linux systems and applications with central logging system for auditing and event forwarding
* Define system security requirements, architecture, design, development, evaluation, certification, and accreditation for embedded and large-scale, distributed DoD avionics, computer, and communications systems
* Work with subcontractors and commercial vendors in the selection and evaluation of secure operating systems, applications, networks, hardware, databases
* Lead security business development and acquisition activities including proposal development, estimation and technical evaluation responses
* Apply risk management concepts to mitigate vulnerabilities in security architectures
* Support USAF System Program offices, Cybersecurity Program Leads, Program Managers, IPTs and Systems Engineers in identifying Critical Program Information, network architecture and message protocol vulnerabilities

## Qualifications for cybersecurity systems engineer

* Have or be capable of obtaining a DoD Top Secret clearance DoD Special Access Program clearance
* Clearly communicate complex ideas, both verbal and written
* Independently assess situations, seek appropriate counsel, and exercise appropriate discretion to carry out decisions
* Candidate must have active secret clearance and have the ability to obtain and maintain a top secret clearance
* Actively participate in and lead technical exchange meetings and working groups to drive cybersecurity engineering solutions for the BMDS
* Understanding of cybersecurity principles and how to apply them to engineering (beyond compliance)