



Example of Security Systems Engineer Job Description

Powered by www.VelvetJobs.com

Our innovative and growing company is looking for a security 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 security systems engineer

- Support development & manufacturing infrastructures
- Collaborate with global cross-functional teams for delivering project requirements
- Will expand to additional technologies as experience / expertise allows (IPS, Web Washers (url filtering), Web Access Firewalls, Anti-Virus solutions, DLP
- Not Required but experience helpful
- The Payment Security Engineer must have the ability to identify, document, and recommend security safeguards and configurations in a highly complex environment with a demonstrated ability to recognize, and appropriately incorporate layered security safeguards within the network, application, and data layers from both an offensive and defender's perspective
- The Payment Security Engineer must be an adaptable, pragmatic, and positive professional, who is comfortable in delivering clear and concise information at both a technical and managerial level
- Operate as a security liaison and ambassador to the larger organization by keeping management team and relative peers informed of the latest security trends and threats, driving the security technology pipeline and strategy for the team, and presenting internally and externally on security technologies and solutions
- Perform information security risk assessments and serve as security expert for internal and external security audits

- Perform internal penetration testing and oversee third party penetration testing (vendor selection, scope, address findings)

Qualifications for security systems engineer

- Familiarity with cryptographic principals, and common encryption schemes such as symmetric/asymmetric encryption, hashing, SSL/TLS, IPSec, PGP, S/MIME, SSH, PKI
- Must be able to effectively management multiple concurrent projects with high attention to detail
- Demonstrate a self-motivated approach to learning new technologies and pursue professional development
- A minimum of ten (10) years' experience, of which at least five (5) years must be specialized experience including the design and development of SECURE command/control/ communications and intelligence (C3I) and/or SECURE control/communications/computer and intelligence (C4I) systems or experience in providing information system security support for such systems
- General experience includes information system requirements analysis, system design, implementation, and testing
- 2+ years of experience with technical analysis, design, and configuration and mission critical wireless communications systems, including LMR, SatCom, and HF radio