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

# Example of Cybersecurity Architect Job Description

Our company is looking to fill the role of cybersecurity architect. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for cybersecurity architect

* Assess complex IT environments and map the data flow of the through systems/applications and organizational functions
* Architect and design cybersecurity solutions for multi-tenant managed security services environment supporting multiple federal government agencies
* Design shared services / cloud infrastructure environment to obtain the equivalent of FedRAMP HIGH certification
* Plan, design, and evaluate cybersecurity solutions
* Assess architecture and current solution limitations, define and design system specifications, and input/output processes and working parameters for solution compatibilities
* Provide expert level consultation and technical services on all aspects of cybersecurity, specifically continuous monitoring
* Manage large-scale programs of national or international scope
* Provide security architecture and engineering expertise across agency initiatives to ensure a secure enterprise that includes internal systems, cloud services and external/third-party service provider systems
* Perform research, evaluation and engineering of security technology, products, and solutions designed to safeguard, monitor, and assess the security of an organization’s IT assets
* Review, analyze, and comment on project-deliverable documents in support of the Software/System Development Lifecycle (SDLC) and System Engineering Life Cycle (SELC)

## Qualifications for cybersecurity architect

* Mastery understanding of the Internet protocol version 4 and 6 suite, Radius, BOOTP, ARP, IP, ICMP, BGP, OSPF, TCP, UDP, LDAP, DNS, DHCP, SNMP, SMTP, SIP, GRE, Netflow/cflowd and POP3
* System orchestration and control infrastructure elements, API integration frameworks, Openstack, DevOps or similar system control elastic compute environments
* Experience in designing and implementing technical solutions for network security, including firewall, proxy services, VPN/remote access, intrusion detection/ prevention, and software-defined network security
* Credible and persuasive
* Bachelors and fourteen (14) years or more of related experience
* IASAE Level I Certification Required (CISSP, CASP CE