FLUENCE
A Siemens and AES Company

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fluenceenergy.com

Job Title: Network and Security Engineer
Location: Arlington VA

## About Fluence

Fluence, a Siemens and AES company, is the leading global energy storage technology solutions and services company that combines the agility of a fast-growing technology company with the expertise, vision, and financial backing of two industry powerhouses. Building on the pioneering work of AES Energy Storage and Siemens energy storage, Fluence's goal is to create a more sustainable future by transforming the way we power our world. The company offers proven energy storage technology solutions designed to address the diverse needs and challenges of customers in a rapidly transforming energy landscape, providing design, delivery and integration in over 160 countries. Fluence works closely with customers throughout their journey and provides advisory, financing, and project lifecycle services.

We are currently looking for a Network and Security Engineer to join our team in our Arlington, VA headquarters.

## Job Description

• Develop and maintain system requirements, design specifications, installation and deployment instructions, and other system-related information to address information security engineering/architecture requirements.
• Participate in and lead projects for security requirements, network design reviews, and in house security testing of our product suite.
• Perform the day to day monitoring of security tools such as vulnerability scanners and act as an escalation point for notifications sent by hosting providers or internal teams regarding malware, vulnerabilities, indicators of compromise and other security related incident indicators.
• Perform manual and automated testing of new software and infrastructure
• Ensure the proper implementation of network controls with hosting provider(s), such as firewalls, IDS/IPS, DNS monitoring, WAF and DDoS protection.
• Implement processes and tools to ensure that all exchanges of information with third parties and clients use secured paths.
• Remediate issues discovered through penetration testing, integrating these results to

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the vulnerability management process.
• Create both short and long-term enterprise network security technology roadmaps to address organizational strategic requirement.
• Ensure operational and incident trends in cyber security are considered in developing security architecture requirements and recommendations.
• Maintain high level of proficiency and hands-on experience with open source and commercial vulnerability assessment and penetration testing tools.
• Provide recommendations for advancing the enterprise security architecture practice, security policies, and security control standards to enhance operational practices
• Proactively conduct security threat analysis and recommend solutions to manage network, systems and application vulnerabilities.

## Qualifications

Required

• Bachelor's degree in Computer Science, Engineering, Sciences, Mathematics (or related disciplines).
• Specific Information Security related experience including encryption, IDS/IPS, Firewalls, SEIMs and Log Management, syslog analysis, HTTP and TCP/IP analysis, and vulnerability assessment.
• Strong understanding of information system security vulnerability assessment/testing on a wide variety of technologies and implementations utilizing both automated tools and manual techniques such as: XSS/CSRF, SQL Injection, Buffer Overflow, and DoS attacks.
• Significant hands on experience with manual web application assessment and penetration testing methods related to web application mapping, reviewing client-side controls, testing user-input fields, and attacking session management, authentication, access controls, encryption, and backend databases/data stores
• Knowledge of securing cloud based systems (AWS, Azure, private clouds etc)
• In-depth knowledge of mapping business requirements to technology and ability to identify security.
• Understanding of networking, operating systems such as Linux and Windows..
• Capable of leading 3rd party cybersecurity and penetration testing

- Well versed in Network architecture and capable of producing the network diagrams for the enterprise entities and projects
- Proven ability to document and communicate security findings, risk description, risk level, and recommended solutions to stakeholders.

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Preferred

• Experience in performing static code analysis tools such as HP Fortify, Veracode, or IBM AppScan Source
• Demonstrated knowledge of security industry standards and best practices such as OWASP and NIST.
• GCIH, GCTI, CISSP, CEH, or other relevant certification preferred
• Knowledge of packet flow, TCP/UDP traffic, firewall technologies, IDS technologies (e.g., Snort rules), proxy technologies, and antivirus, spam and spyware solutions
• Experience conducting analysis of electronic media, packet capture, log data and network devices in support of intrusion analysis or enterprise level information security operations
• Experience with Nessus, Metasploit, Burp Suite Pro, Kali Linux tools, programming / scripting exposure (Python, Perl, C, Bash, PHP, Node)

Qualified candidates are requested to submit a resume and cover letter at careers@fluenceenergy.com

Fluence **IS AN EQUAL OPPORTUNITY EMPLOYER** and fully subscribes to the principles of Equal Employment Opportunity, to ensure that all applicants and employees are considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, marital or familial status.