FLUENCE
A Siemens and AES Company

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Network and Security Engineer

Location: Arlington, VA or continental US

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the global market leader in energy storage technology solutions and services, combining the agility of a technology company with the expertise, vision and financial backing of two well-established and respected industry giants. Building on the pioneering work of AES Energy Storage and Siemens energy storage, our goal is to create a more sustainable future by transforming the way we power our world. Providing design, delivery and integration, Fluence offers proven energy storage technology solutions that address the diverse needs and challenges of customers in a rapidly transforming energy landscape.

Fluence currently has more than 2.4 gigawatts of projects in operation or awarded across 24 countries and territories worldwide. We topped the Navigant Research utility-scale energy storage leaderboard in 2018 and were named one of Fast Company's Most Innovative Companies in 2019. In 2020, our sixth-generation Tech Stack won Commercial Technology of the Year at the 22nd annual S&P Global Platts Global Energy Awards.

Leading

Do others come to you for your subject matter expertise? Are you excited by the challenge of working in a start-up atmosphere with a purpose?

Responsible

Fluence is defined by its unwavering commitment to safety, quality, and integrity. We take personal ownership in what we do, developing trust in our relationships with internal and external stakeholders. We firmly believe in having honest, forthcoming, and fair communications. In this role you will:

- 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 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.

Agile

Here at Fluence, we strive to continuously improve, be intellectually curious and be adaptive to our customers and employee’s needs. Collaboration is key, both in our partnerships with our customers, and with each other. Fluence prioritizes the most critical efforts that allow for the greatest impact. As an ideal candidate you have:

• 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.

Preferred Qualifications:
• 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)

Fun

Working on transforming a fundamental part of our society is exciting and fulfilling. It requires creativity, diversity of ideas and backgrounds, and building trust to effect change and move with speed. We respect our coworkers and customers. We listen to what others have to say, and we are inclusive.

GET IN TOUCH

Please send your resume and cover letter to 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, veteran status, sexual orientation, marital or familial status.