

Job Title: DevSecOps Engineer (Level 4/5)

Job Location: Colorado Springs, Colorado

Security Clearance: SECRET

Clearance Status: Must be Obtainable



Job Summary:

The DevSecOps engineer will fill a key position on the effort to upgrade the Global Satellite Configuration Control Element (GSCCE) for the new 11th satellite in the Wideband Global SATCOM (WGS) constellation of military satellites. The candidate will participate on a small team of 5-7 others to implement a CI/CD pipeline for a software development team, build and maintain a set of development and test environments, automate system deployments using Infrastructure as Code (IaC) and Configuration as Code (CaC) and Security as Code (SaC) technologies, and fully automate regression testing using a mix of GUI and API test tools. The addition of the 11th satellite (WGS-11) to the constellation has provided an opportunity to move the team's software factory to a cloud-based development environment hosted in AWS GovCloud while also maintaining an operational deployment target on private cloud infrastructure using VMware vSphere. The solution will include the following technology stack: Docker, Container-D, Kubernetes (Rancher RKE2), Helm, Terraform, Ansible, GitLab, Nexus, Artifactory, Jenkins, Maven, Jtest, SonarQube, Crucible, Confluence, Jira, Mattermost, Eggplant, and ReadyAPI. The candidate will function as part of the technical staff implementing the solution with opportunities to transition into team leadership as the DevOps Product Owner if the role becomes available.

The ideal candidate for this position will have prior experience working in an Agile development environment with experience using a majority of the tools within the technology stack. Prior DevSecOps experience and existing expertise in some aspect of the GSCCE, WGS satellites, or the Wideband mission is highly desirable.

Primary Responsibilities:

- Implement IaC, CaC, and SaC solutions to automate the deployment and configuration of virtual machines and containerized microservices in both an AWS and vSphere environment
- Implement the CI/CD pipeline in an AWS GovCloud environment
- Build assorted solutions to automate interactions with interface simulators
- Develop fully automated regression tests of the GSCCE payload control capabilities
- Manage, maintain, and administer various environments to ensure continued productivity of the software development and test teams (both on-premises and on the cloud)
- Occasional travel required

Required Qualifications:

- This position requires the ability to obtain a US Security Clearance for which the US Government requires US Citizenship. A final U.S. Secret Clearance is required to be obtained post-start.

- BS or MS in Computer Science or Computer Engineering (or related STEM degree with applicable experience)
- Experience and demonstrated strength in technical leadership within a complex project
- Experience and demonstrated strength in scripting skills related to CI/CD tools
- Ability to isolate and resolve complex problems, identify workarounds, and implement and document corrective actions
- Good verbal and written communication skills

Preferred Qualifications:

- Active U.S. Government SECRET security clearance
- Prior experience with the GSCCE, WGS satellites, or the WGS mission
- Working knowledge of the CI/CD process, tools, and technologies in a modern software factory
- Strong programming skills in Java, Python, or C++
- Experience in software development, systems engineering, or integration and test
- Experience using Application Security concepts and vulnerability remediation techniques
- Experience working with and supporting systems with the Linux operating system
- Understanding of secure software development methodologies and Security First mindset

Educational Requirements:

- *Engineer Level 4:* Bachelor's degree and 12 or more years of experience, Master's with 9 or more years of experience
- *Engineer Level 5:* Bachelor's degree and 16 or more years of experience, or an equivalent combination of technical education and experience (e.g. PhD +9 years' related work experience, Masters +12 years' related work experience).

(Degrees must be from an accredited course of study in engineering, computer science, mathematics, or physics)

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