

Senior DevSecOps Engineer

EO Solutions

Headquartered in Las Vegas, Nevada, with strategic locations in Maui, Hawaii, and Huntsville, Alabama, EO Solutions is a premier small aerospace and defense contractor. Leveraging world-class expertise in both hardware and software development, including cutting-edge AI and ML capabilities, we specialize in the rapid prototyping and deployment of emerging technologies. Our core areas of focus are Directed Energy and Space Domain Awareness. With a dedication to innovation and excellence, EO Solutions remains at the forefront of delivering advanced solutions that address the evolving challenges of modern aerospace and defense landscapes.

Job Purpose: This position will build, test, integrate, and deploy prototype algorithms and machine learning models at all levels of the development process.

Job Duties and Responsibilities:

1. System Integration and Deployment:
 - Lead the integration and deployment of the Space Domain Awareness (SDA) system, ensuring seamless interoperability between various services and components.
 - Work closely with cross-functional teams, including software engineers, data scientists, and satellite operations specialists, to facilitate the smooth deployment of the system.
2. DevOps Implementation:
 - Establish and maintain automated deployment processes, CI/CD pipelines, and infrastructure as code (IaC) with contemporary DevOps tools and technologies.
 - Manage the lifecycle of Kubernetes applications with Helm and service-mesh implementation with Istio.
 - Optimize the system's performance, scalability, and reliability through continuous monitoring and improvement.
3. Security and Compliance:
 - Champion security best practices throughout the development lifecycle, from design to deployment.
 - Perform security assessments and vulnerability scans, identify potential risks, and implement robust measures for mitigation.
 - Ensure compliance with industry standards, data protection regulations, and cybersecurity frameworks.
4. Automated Testing and Quality Assurance:
 - Design, implement, and manage automated testing processes to validate the functionality and reliability of the SDA system.

- Collaborate with software engineering teams to establish testing standards and promote a culture of quality assurance.
5. Data Processing Pipelines:
- Design and implement efficient data processing pipelines to manage the vast amount of satellite data and provide real-time insights.
 - Optimize data ingestion, storage, and retrieval processes to support complex analytics and visualization requirements.
6. Continuous Improvement and Innovation:
- Stay up-to-date with the latest trends and advancements in DevSecOps and SDA technologies to facilitate continual system improvement and innovation.

Job Requirements:

- Bachelor's or Master's degree in Computer Science, Engineering, or a related field.
- Proven experience as a DevSecOps Engineer, Senior Software Engineer, with strong knowledge of DevOps practices, including CI/CD, IaC, and version control systems (e.g., Git).
- Ability to obtain a Secret security clearance.
- Demonstrated expertise in deploying and managing production Kubernetes clusters.
- Proficiency with cloud platforms (e.g., AWS, Azure, or Google Cloud) and containerization technologies (e.g., Docker, Kubernetes).
- Experience using tools like Helm, Terraform, Istio, Twistlock, and SonarQube.
- Familiarity with security frameworks, penetration testing, and vulnerability assessment tools.
- Solid programming skills in languages such as Python, Java, or Go.
- Excellent problem-solving abilities and a proactive approach to identifying and resolving issues.
- Strong communication and collaboration skills to work effectively within cross-functional teams.
- A passion for space exploration and a drive to contribute to cutting-edge technology in the aerospace domain.

To Apply: EO Solutions requests applicants submit the following information. Incomplete applications will not be considered. **Email the two components described below as a single PDF to: Isla Young at Isla.Young@e-o.solutions.** 1) A current resume. 2) A cover letter of no more than one page describing 1) the candidate's skills, abilities and accomplishments that are related to the Key Requirements and Key Skills described above, and 2) why the candidate is interested in this position.