



DevOps Engineer and Software Developer – (Mid-level / Senior)

<i>Data Posted:</i>	February 2026
<i>Job Title:</i>	DevOps Engineer <i>and Software Developer</i> – (Mid-level / Senior)
<i>Req Number:</i>	2000-603
<i>Location(s):</i>	Herndon, VA <i>at a corporate office building with free covered parking</i>
<i>Position Type:</i>	Full-Time, W-2 Employment
<i>Salary Range:</i>	Competitive depending on relevant professional skills and experience. Total compensation includes a competitive salary, cash and strategic incentives, professional development and comprehensive benefits. Expected salary range \$125,000 to \$210,000 per year.
<i>Experience:</i>	8+ years of relevant professional experience for Mid-level 12+ years of relevant professional experience for Senior
<i>Education:</i>	Bachelor's degree in Software Engineering or related discipline. 4 years additional experience may be substituted for a degree. Master's degree shortens all experience requirements by 2 years. PhD degree shortens all experience requirements by 5 years.
<i>Security:</i>	Current / active TS/SCI clearance with CI polygraph or willingness to take one. Background investigation required, including a minimum of a criminal and credit check as well as at least three professional references.

Role Overview:

Pelagic AI is seeking a candidate that is a **blend of a DevOps Engineer and a Software Developer** for maintaining applications on a high side network preferably with expertise in python scripting and Apache NiFi. The role will support the development and integration of various intelligence capabilities into a test and subsequently operational environment. You will be a member of a project team responsible for designing and maintaining multiple DevOps pipelines integrating and deploying numerous components into the larger system infrastructure. Deployment will be across multiple networks into hybrid architectures consisting of both local and cloud infrastructures.

As a DevOps Engineer at Pelagic AI, you will be a vital part of our team, contributing to the design and implementation of advanced software solutions. You will work under the guidance of senior engineers to develop your skills and gain hands-on experience in various aspects of software development and DevOps. This team is building innovative software using mathematical solutions to support users in the defense and intelligence communities. These positions are ideal for experienced individuals in the software engineering field, they offer a chance to grow and explore different technologies within a dynamic AI-driven environment



Principal Responsibilities:

- Deploy, and manage highly available applications to ensure system reliability and scalability.
- Implement, and maintain HashiCorp Nomad clusters and Kubernetes clusters for workload orchestration.
- Execute DNS configuration, management, and performance tuning for enterprise-grade systems.
- Develop and implement Infrastructure-as-Code (IaC) solutions using tools like Terraform, Ansible, or similar.
- Build and manage multiple CI/CD pipelines with GitLab or equivalent tools to automate deployments and streamline development workflows for rapid development and integration.
- Perform system monitoring, logging, and troubleshooting to proactively identify and resolve issues.
- Automate security testing and monitoring within the DevOps workflows using ACAS and Trivy.
- Analyze cybersecurity scan findings and work with the cybersecurity team to identify false positive findings.
- Assist the cybersecurity team in assembling the required Body of Evidence to submit for False Positive exceptions.
- Assist the cybersecurity team in assembling the required Body of Evidence to submit containerized and non-containerized software packages for enterprise software approval.
- Integrate static code analysis tools such as GitLab SAST, Fortify or Sonarqube and other security mechanisms into CI/CD pipelines.
- Build and maintain custom tools to automate cybersecurity analysis and correlation workflows as new cybersecurity compliance requirements emerge.
- Perform cybersecurity remediation on DevOps managed Virtual Machines to include OS patching, OS STIGing, and software package updates.
- Build, maintain, and monitor configuration management of release products.
- Troubleshoot and resolve network, automation pipelines, and infrastructure issues.

Minimum Requirements:

- Must have a current/active TS/SCI and be willing and able to pass a CI polygraph.



- Must be able and willing to work in a SCIF environment in Herndon Virginia forty hours a week.
- Minimum of 5+ years of Industry experience as a DevOps engineer.
- Strong expertise in cloud environments, including deployment, optimization, and troubleshooting.
- Proven track record in building and operating Cloud Native Applications using tools like Kubernetes and Docker.
- Experience in managing, integrating and utilizing PKI certificates for user and Non-Person-Entity Authentication and Authorization.
- In-depth experience with IaC tools such as Terraform, Ansible, or equivalent.
- Solid experience in creating and managing CI/CD build pipelines using GitLab or similar tools (e.g., Jenkins, Azure DevOps).
- Strong scripting and automation skills using Python, Bash, or equivalent languages.
- Excellent problem-solving skills with attention to detail and the ability to thrive in a fast-paced environment.
- Experience with security best practices in DevOps pipelines (e.g., Trivy, Grype, GtiLab SAST, Sonarqube, etc.).
- Familiarity with monitoring tools like Prometheus, Grafana, or ELK Stack.
- Strong knowledge of networking and load balancing technologies.
- Experience with source configuration management tools such as Git.
- CI & CD development experience with technologies like Bash, Jenkins, or GitLab.
- Experience with automated deployment technologies such as Cloud Formation, Ansible, Puppet or Chef.
- Cloud Technologies deployment experience.
- Open-source application deployments and maintenance.
- Custom source application deployments and maintenance.
- Moderate LINUX system administration experience (RedHat, Rocky Linux, Alma Linux or similar)).
- Working knowledge of Linux and Windows operating systems, web services and SQL databases.
- Experience working in an Agile environment.

An Excellent Candidate for this position will meet most of the following experience requirements:

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- Bachelor's degree in Computer Science, Information Systems or related discipline.
- Master's degree in Computer Science, Information Systems or related discipline.
- Security+ or comparable certification for privileged user access.
- Experience with distributed processing methods and tools, such as REST APIs, microservices, IaaS/PaaS services.
- Experience developing and deploying web services.
- Experience in implementing Docker STIGs
- Experience with technical cybersecurity remediation in the context of a Continuous Monitoring (COMMON) program
- RHCSA or LPIC1/LPIC2 certifications or equivalent
- Certified Kubernetes Administrator certification
- Docker Certified Associate
- Experience scripting automations via Python
- Experience with Apache NiFi
- Experience working with HPC's is a plus
- Ability to work collaboratively in a team environment
- Strong problem-solving skills and attention to detail
- Eagerness to learn and adapt to new technologies and methodologies

General personal traits we know will connect well with the team:

- Superior communication skills
- A positive, willing attitude
- An ability to think on your feet and solve problems quickly
- Adaptability to learn new methodologies and technologies
- Comfortable working in an agile team environment
- Technology and methodology agnostic, but accepts using tools needed for the requirement
- Enjoys coaching and teaching



About Pelagic AI

Pelagic AI is AI Solutions for aerospace delivered: from tech road maps to custom software. Pelagic AI was founded by industry visionaries, each boasting decades of experience in the AI landscape. Our roots trace back to the early days of data mining, and our journey has encompassed pioneering work in modeling and simulation, algorithmic development, data science, machine learning, and generative AI. With a collective wealth of knowledge and a commitment to innovation, our team has shaped the evolution of AI across various domains. Pelagic AI embodies this rich heritage, offering cutting-edge solutions driven by the deep expertise of its founders, ensuring that we remain at the forefront of AI advancements. Join our team using data to optimize environments and future-proof businesses. Our team has worked in the AI/ML sector for over 20 years. We represent true expertise in the field with operations and engagements for several Fortune 500 companies. Join us as we bring our client's teams to the next level!

Summary of Benefits

We expect each member of our team to fully engage creatively and work collaboratively and perform each day to the best of their ability. To support this, we have created a benefit package focused on professional growth, achieving a healthy work-life balance, and participation in the long-term success of the company. Our benefits include: generous paid time-off; an Employee Incentive Program (EIP); Internal Investment Projects (IIP), and other professional development activities; performance incentives that include spot bonuses and recruiting bonuses. Our plan is comprised of a 401k: 3% up front non-discretionary safe harbor contribution, 3% matched contribution (1:1 up to 3%), then discretionary profit sharing based on company annual performance; Medical/Dental/Vision coverage; Long & Short-term Disability; AD&D insurance; and Term Life Insurance.

Apply Now! Send your resume to: jobs@pelagicai.com