CASSIDY
CONSULTING GROUP

Automation Engineer

Description: Cassidy Consulting Group is seeking an Automation Engineer. This is a W-2 job opportunity. Please visit our website to learn more about Cassidy Consulting Group – https://www.cassidyconsulting.us.

Position Description:
This position is for an Automation Engineer supporting the Army Edge Computing Capability (AECC) project that ALTESS is fielding for the US Army. The AECC solution is a containerized, Kubernetes-based, multitenant hosting environment for hosting Army enterprise and tactical applications. AECC is utilizing Kubernetes and potentially Red Hat OpenShift to implement a cloud-native, software-defined infrastructure across multiple global sites. ALTESS is integrating Hashicorp Vault and Terraform, Red Hat Ansible Automation Platform, GitLab Ultimate Suite, and other Infrastructure as Code (IaC) tools into the AECC solution to provide an automation platform to support the AECC infrastructure and potentially offer to host enterprise and tactical applications. ALTESS provides value-added common and managed services built on top of the Kubernetes foundation that hosted Army applications will require. ALTESS is a managed service provider (MSP) and hosting services provider for Army applications. ALTESS is a Product Lead office under Capability Program Executive (CPE) Enterprise Software and Services (CPE ES2).

Position Responsibilities:
- Work with Government engineers to develop and maintain the automation and DevSecOps framework for supporting the AECC environment.
- Develop, deploy, and maintain Infrastructure as Code (IaC) pipelines and automated configuration management for Kubernetes-based containerized solutions.
- Automate the installation, configuration, and ongoing management of Kubernetes clusters, including CNI (Container Network Interface) and CSI (Container Storage Interface) integrations.
- Work with hosted customers of AECC to provision customer enclaves utilizing the automation framework and container orchestration tools.
- Harden the automation tools and containerized environments per commercial best practices and required government cybersecurity controls.
- Develop and maintain systems, infrastructure, and process documentation (system diagrams, network topology, software configurations, device configurations, standard operating procedures).
- Troubleshoot and perform root cause analysis of issues within Kubernetes clusters, containerized applications, and automation frameworks.
- Provide on-call support for triage and resolution of after-hours production incidents.
- Make recommendations for improvements to automation framework to include implementing new tools, replacing existing tools with more capable tools, and possibly develop new service offerings to hosted applications.
- Promote automation concepts, processes, and benefits across the ALTESS organization.
- Review and document "as-is" IT environments, perform a gap analysis to articulate automation options and recommendations to improve the current state.

Required Skills:
- Senior-level experience with a variety of automation, secrets management, configuration management tools (Terraform, Vault, Ansible, GitLab, etc.).
- Experience with Infrastructure as Code (IaC) environments, including activities around automated network configurations, server deployments, software provisioning, monitoring, and testing.
- Knowledge and experience with containerization and container orchestration tools (Kubernetes, Docker, Red Hat OpenShift, etc.).

Desired Skills:

- Working knowledge of DoD Security Technical Implementation Guides (STIG) and the Information Assurance Vulnerability Management (IAVM) process, or industry hardening best practices and processes.
- Experience automating Kubernetes cluster deployments.
- Proficiency in scripting languages (Python, PowerShell, BASH, etc.) for automation tasks.
- Experience writing Ansible playbooks for enterprise operations tasks and structuring playbooks into roles.
- Strong troubleshooting skills across Kubernetes clusters, containerized applications, and automation frameworks.

Education & Experience: Bachelor's degree or higher in IT-related field

Required Certifications:

- Security+ or equivalent DoD 8570.01-M IA Tech Level II certification.
- Must have (or obtain within 6 months of hire) a computing environment certification as defined in DoD 8570.01-M, such as an automation, DevOps, or Kubernetes industry certification.

Security Clearance: DoD Secret Clearance

Location: Radford, VA (hybrid/telework onsite as needed)

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