



Mission Support Alliance

Statement of Work For Staff Augmentation Support

Title of Scope: Site Reliability Engineer - DevOps

Date: 2/12/2020

Revision Number: 0

Requisition Number: 336379



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1.0 INTRODUCTION / BACKGROUND

The Mission Support Alliance (MSA) requires staff augmentation services related to the Information Management work scope at Hanford. MSA is looking to implement DevOps principles and is seeking a hands-on Site Reliability Engineer / DevOps Engineer responsible for automating all aspects of building and hosting within Microsoft Azure and the on-premise environment.

The Subcontract is required to provide staff augmentation support as set forth herein.

2.0 OBJECTIVE

Provide senior level Site Reliability Engineer (SRE) / DevOps to support the Information Management Network & Computing Services organization.

This position will be responsible for setting up the automation for the hosting infrastructure, and operations to provide developers on-demand access to tools and environments.

3.0 DESCRIPTION OF WORK – SPECIFIC

Integrate core infrastructure automation with testing and deployment platforms. Design and implement CI/CD pipelines to maintain fully automated, highly available, zero downtime releases. Design, implement and maintain infrastructure as code, used by multiple engineering teams. Build, scale and support high-availability production and development systems in Microsoft Azure. Work closely with teams to automate deployment and configuration of infrastructure to support roll out of data products/projects. Configure build pipelines to support automated testing and deployments using tools. Help refine DevOps security practices (including regular security patching, minimum-permissions accounts and policies, etc.) in compliance with federal government standards and implement, and verify them, using tools to analyze and verify compliance.

4.0 QUALIFICATIONS

Required Qualifications

- **Education:** BS in Computer Science or Engineering or equivalent industry experience
- **Experience:**
 - Demonstrated Site Reliability Engineering/DevOps Principles
 - Proven Automation/Coding experience in at least two relevant scripting or programming languages (Python, Shell, Go, Ruby, Perl, PowerShell, etc.)
 - Expertise with Containers and Kubernetes



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- Experience with Configuration Management platforms (Ansible, Chef, Puppet, etc.)
- Experience hardening and maintaining secure systems (NIST, HIPAA or PCI experience desired)
- Experience with high scale, distributed, 24x7 systems and applications
- 1+ years of experience with Microsoft Azure
- Demonstrated knowledge of agile project methodologies
- Experience with Continuous Integration and Continuous Delivery systems
- Strong analytical and design skills

Subcontractor shall ensure that its personnel meet and maintain the appropriate training, qualifications, and certification requirements as applicable.

5.0 REQUIREMENTS

5.1 Engineering Requirements

Engineering requirements applicable: **No**

5.2 Environmental, Safety, and Health Requirements

The Subcontractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Subcontractor shall comply with, and assist the Buyer in complying with environmental and safety requirements of all applicable laws, regulations, and directives.

The subcontractor shall exercise a degree of care commensurate with the work and the associated hazards. The Subcontractor shall ensure that management of environmental and safety functions and activities is an integral and visible part of the Subcontractor's work planning and execution processes. As a minimum, the Subcontractor shall:

- Thoroughly review the defined scope of work;
- Identify hazards and environmental and safety requirements;
- Analyze hazards and implement controls;
- Perform work within controls; and
- Provide feedback on adequacy of controls and continue to improve safety management.

The Subcontractor shall flow down all environmental and safety requirements to the lowest tier Subcontractor performing work on the Hanford site commensurate with the risk and complexity of the work.



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5.3 Quality Assurance Requirements

The work activities for this Staff Augmentation Statement of Work has been designated as a Quality Level G - Q Level 0 - GS. The subcontractor shall be responsible for performing quality workmanship and shall conduct the quality control measure necessary to ensure work conforms to referenced codes and standards, and other requirements defined in this SOW.

6.0 PERSONNEL REQUIREMENTS

6.1 Training

- A. Hanford site-specific general training requirements to safely perform this work will be designated by the Buyer's Technical Representative (BTR).
- B. The following types of training qualification(s) are required:
 - Hanford General Employee Training (HGET) and/or MSA General Employee Training (MGET) is required.
 - List below additional Hanford site specific training, if applicable:

	Number	Course Title
1.		

6.2 Se

6.2 Security and Badging Requirements

- A. For any on-site work, see On-Site Services Special Provisions for details.
- B. The subcontractor shall wear a Buyer issued security badge identifying themselves. A minimum of two (2) working days advance notice is needed for site badging.
- C. Subcontractor employees will be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.
- D. If the Subcontractor under this scope of work will be required an access authorization (security clearance), then the following will apply.
 - A security clearance is required for all Subcontractors who will have: (1) access to classified matter, (2) access Special Nuclear Material (SNM), and/or (3) require frequent, unescorted access to secured areas.



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- A facility clearance must be in place at Hanford for the individuals' employer (facility), before a security clearance may be granted Facility Clearance (FCL). Approval will be required for a facility to be eligible to (1) access, handle, or possess classified information, (2) SNM, or other hazardous material presenting a potential sabotage threat, or (3) responsibilities for safeguarding \$5M plus of government property. If any of these criteria apply to the SOW, the Contract Specialist needs to be notified immediately, in order to process clearance paperwork. The work cannot begin until an FCL is in place. A new FCL is required for each subcontract meeting the criteria.
- A subcontractor that will not possess classified information or matter, or SNM at the subcontractor's place of business and will only access such security activities at other cleared facilities must be cleared as a "non-possessing facility."

6.3 Work Location / Potential Access Requirements

Work location is to be on-site primarily at 2261 Stevens Drive, Richland, WA 99354

6.4 Site Access and Work Hours

Hanford personnel at the Hanford Site work a standard 4/10 schedule. The standard work week consist of ten (10) hours of work between 6:00 a.m. and 4:30 p.m. with one-half hour designated as an unpaid period for lunch, Monday through Thursday.

Work performed outside normal operating hours shall be coordinated and/or approved through the BTR and/or the Contract Specialist prior to performing the work.

7 MEETINGS AND SUBMITTALS

Subcontractor shall participate in all meetings as required by the Buyer's Technical Representative (BTR).