



U.S. GOVERNMENT

Job title:	DevOps Engineer
Department:	Software Development
Location:	Frederick, MD – Hybrid/Remote Worker
FLSA:	Exempt
Supervisor:	Senior DevOps Manager

Job Description

Company Description:

Network Innovation U.S. Government delivers leading-edge satellite, wireless & terrestrial telecommunications infrastructure, bandwidth, & turnkey network mobility solutions to the U.S. Department of Defense, Federal Agencies, Coalition Forces, Local & State Government Agencies, NGOs, Government Contractors, & commercial sector clients worldwide. We are a hardware agnostic solution integrator & has experience designing & implementing unique communication & networking solutions. Recently awarded several contracts, Network Innovation U.S. Government is positioned for rapid growth and advancement in Satellite Communication Enterprise Architectures within the DoD and with Commercial Network Providers.

This team primarily works remotely, but will meet periodically at our office in Frederick, MD.

Job purpose:

Network Innovations is looking for a DevOps Engineer to help support the development of our Satellite Communications Network Management products and services participating as a team member using the Agile software development life cycle.

The engineer's responsibilities include automation of software build, test and deployment systems and infrastructure. Management of various development, test, staging, demo environments (code deployment, backups, data refreshes). Development of automated tests and management of the test automation as part of the CI/CD pipeline. Deployment/management of software into Network Innovations' production Managed Service environment as well as customer production environments. DevOps may be asked to participate in the development of network device simulations to aide in the testing of devices that are difficult to acquire or may not be readily available. DevOps will be required to help in the installation and configuration of satellite hardware and networking equipment as needed for the development of our products and services.

If you are very "hands-on", love to learn, are a great problem solver, are not afraid to tackle the unknown (and make mistakes), and have a passion for building solid, reliable process...we'd like to meet you.

Duties and responsibilities:

- Actively participate in an Agile Scrum development process (DevOps is part of the development team for sure!).

- Manage and administer Linux development systems and related infrastructure.
- Support the build, deployment, and test of large-scale web applications for satellite communications and network service provisioning.
- Maintain development, test, staging and production environments by ensuring code installations are correct, databases are refreshed/restored to the proper level, and infrastructure is configured to allow communications to the correct equipment.
- Develop, schedule, and regularly monitor automated tests to ensure key features/workflows are working post-deployment of new code (automated integration test and smoke tests).
- Maintain and execute database seeding scripts to stage (or reset) scenarios for demonstrations of the software features.
- Ensure proper isolation of various networks such that environments are not talking across one another.
- Manage JIRA/support cases for DevOps related work assignments and requests for help.
- Effectively communicate progress on assignments and indication of any roadblocks, challenges, or need for help/clarification.
- Review, test and troubleshoot code you author as well as other team members' code
- Document software defects promptly and clearly and address open software defects when assigned.
- Support demos for internal customers and potential clients
- Document build, CI/CD processes infrastructure and code required to obtain automation and measurement of processes.

Qualifications:

- Work experience (5+ years professional experience) as a DevOps Engineer or similar role
- Proficient in CM, Artifact repositories, Build (Git, JFrog/Nexus)
- Knowledge of CI/CD deployment tools (Puppet, Jenkins ,Chef, Ansible)
- Experience working in an Agile software development methodology
- Experience with database monitoring, tuning, back-up and recovery (SQL database as well as NoSQL databases)
- Proficient in scripting languages (I.e. python, shell, etc)
- General understanding of web application development (interaction between web browsers and backend services)
- General understanding of REST-based services
- Excellent time management skills
- Excellent problem-solving abilities
- Excellent written and verbal communications skills

Preferred Skill Set and Domain Knowledge (not required)

- Bachelor's Degree in Engineering or Computer Science (or equivalent)
- Git repositories and JIRA ticketing and work flow.
- Java-based micro service frameworks (Spring Boot).
- OpenSource Databases (Postgres, MySQL, ElasticSearch)
- REST Service development and utilization (Jersey/JAX-RS)

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- Proficient in Linux, “containerized” application environments (i.e. Docker), and container management like K8s (storage, networking, disk, application installation and troubleshooting)
- Entity frameworks to persist data (Hibernate, JPA)
- Network Configuration and Communications protocols
 - Router, Switch, and modem configuration
 - Serial/HTTP Protocols to configure devices
- Managed Network Services domain knowledge is a plus!
- Satellite Communications domain knowledge is a plus!
- Experience with customers / stakeholders in the Armed Forces (DoD).

Direct reports:

None

Working conditions:

- This is primarily a remote position.
- This position requires that the candidate, when working remotely, effectively uses communications devices to provide status and support to their team and organization.
- This position will require meetings (and general availability) during normal business hours for team collaboration, project status, and customer demonstrations and presentations.
- When working remotely, the incumbent must have a work environment free from distractions/interruptions and the ability to provide a private environment in which business sensitive information can be shared over voice and video collaboration.
- When working remotely, the incumbent must have access to high-speed internet connectivity for unincumbered video conferencing and screen share collaboration.
- The position is primarily remote, however, there may be occasions to be ‘in the office’ or travel to customer locations for group meetings and/or demonstrations.

Clearance requirements:

- Must be a US Citizen and have at a minimum a Secret clearance or be willing and able to obtain a security clearance.

Physical requirements:

Sitting and using a computer for extended periods of time.

Disclaimer Statement: This job description lists the essential functions of the position and is not intended to include every job duty and responsibility specific to a position. An employee may be required to perform other related duties not listed above provided that such duties are characteristic of that classification.