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### **Long Wave Inc. Position Description**

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| **Date:** | **December 26, 2024** |
| **Position Title:** | **DevOps Engineer / Principal DevOps Engineer** |
| **Department:** | **LW- SimTEC / Oklahoma City, OK** |

### **Position Overview:** As a DevOps Engineer / Principal DevOps Engineer you will lead agile DevOps initiatives to automate CI/CD pipelines, optimize infrastructure, and ensure secure, efficient system operations. Drive innovation in deployment, monitoring, and provisioning with cutting-edge tools and methodologies to deliver rapid, reliable software solutions supporting mission- critical objectives.

### **Essential Responsibilities:**

* **Plan and evolve processes and infrastructure** to execute programs supporting rapid capability maturation and deployment.
* **Integrate development pipelines** leveraging automation with test-driven development tools and continuous integration/test frameworks.
* **Define and implement standards** for build, deployment, provisioning, and monitoring for the program.
* **Ensure implementation** of Software Configuration Management (SCM), code quality, and code coverage with automated testing for Continuous Integration/Continuous Delivery (CI/CD) pipelines.
* **Work as part of an Agile development team** to deliver end-to-end automation of deployment, monitoring, and infrastructure management framework.
* **Build and configure delivery environments** supporting CD/CI tools using an Agile delivery methodology.
* **Create scripts and/or templates** to automate infrastructure provisioning and management tasks.
* **Collaborate with development teams** to maintain and add to an automated continuous integration (CI) and continuous delivery (CD) system.
* **Work with vendors and IT personnel** for problem resolution.
* **Monitor and support** all installed systems and infrastructure.
* **Develop custom scripts** to increase system efficiency and reduce human intervention time on tasks.
* **Contribute to the design** of information and operational support systems.
* **Install, configure, test, and maintain** operating systems, application software, and system management tools.
* **Oversee security, backup, and redundancy strategies** for the company.
* **Evaluate application performance**, identify potential bottlenecks, develop solutions, and implement them with the help of developers.
* **Facilitate Quality Management System Committee** in various quality initiatives to ensure alignment with the overall Long Wave Inc. business direction.
* **Build Metric Reporting Infrastructure** ensuring that sites have an effective method to collect, interpret, and report accurate business and customer performance data.

### **Basic Qualifications:**

* **Active DoD Secret clearance**
* **Excellent communication and interpersonal skills**, with the ability to interface with all levels of employees and management.
* **For a DevOps Engineer**:
  + Bachelor’s degree with 2+ years of software development experience;
  + 0 years with a Master's;
  + or 6 additional years of experience in lieu of a degree.
* **For a Principal DevOps Engineer**:
  + Bachelor’s degree with 5+ years of software development experience;
  + 3 years with a Master's;
  + or 9 additional years of experience in lieu of a degree.
* **Administration experience** with Linux, Windows Server, and Windows 10 and greater operating systems.
* **Experience in an Agile software development framework**.
* **Familiarity with the Atlassian tool suite** (Bitbucket, Jira, and Confluence).
* **Security+ certification** (not needed to start but must be obtained within 6 months).

### **Preferred Qualifications:**

* **Active DoD Top Secret/SCI clearance** (must be able to obtain/pass a polygraph).
* **Continuous Integration / Continuous Development pipeline experience**.
* **Experience building applications** using Bamboo, Jenkins, or similar tools.
* **VMWare Certification or Experience** (vRealize Automation (vRO), vRealize Orchestrator (vRA), vSphere Center).
* **Container management** using Docker and Kubernetes (K8s) preferred.
* **Experience in secure virtualization and containerization system design**.
* **Experience administering virtualized or containerized systems** in VMWare and Docker.
* **Scripting experience** with PowerShell, Ansible, Node.js, or Java.
* **Source code management** using Git/Bitbucket.
* **Experience automating tasks** using Bamboo, Ansible, and/or Terraform.
* **Knowledge of working practices** such as Git-Flow and release schedules.
* **Experience designing, deploying, and troubleshooting networking**, including subnetting, VLANs, and VPNs.
* **Experience in secure network architecture design**.