

**Long Wave Inc. Position Description**

**Position Title:**  Systems Engineer

**Department/Location:** Programs/Oklahoma City, OK

**Supervisor:**

**Status:** Regular/Full-Time (Exempt)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Primary Function:**

Long Wave is seeking a highly skilled Systems Engineer with a strong background in Model-Based Systems Engineering (MBSE), requirements management, and Department of Defense (DoD) experience. The ideal candidate will be responsible for designing, developing, and managing complex systems and ensuring they meet all specified requirements within schedule.

**Essential Responsibilities:**

1. Model-Based Systems Engineering (MBSE): Apply MBSE methodologies to support system requirements, design, analysis, verification, and validation activities.
2. Requirements Management: Develop, document, and manage system requirements throughout the project lifecycle. Ensure traceability and compliance with DoD standards.
3. System Design and Integration: Lead the design and integration of complex systems, ensuring they meet performance, reliability, and safety standards.
4. Verification and Validation: Develop and execute test plans to verify and validate system performance against requirements.
5. Technical Documentation: Create and maintain detailed technical documentation, including system specifications, design documents, and test plans.
6. Collaboration: Work closely with cross-functional teams, including software, hardware, and project management, to ensure successful project delivery.
7. Compliance: Ensure all systems and processes comply with DoD regulations and standards.
8. Must be able to communicate effectively in the English language.
9. Perform other duties as assigned.

**Work Conditions:**

Employee will be working within an office environment. Employee may be expected to travel on occasion to locations where specific PPE or attire is necessary.

**Job Requirements:**

*Minimum Requirements:*

* Education: Bachelor’s or Master’s degree in Systems Engineering, Electrical Engineering, Computer Science, or a related field.
* Experience: 5-10 years of experience in systems engineering, with a focus on MBSE, requirements management, and DoD projects.
* Technical Skills: Proficiency in MBSE tools (e.g., MagicDraw, Cameo Systems Modeler), requirements management, and systems engineering methodologies.
* Security Clearance: Active DoD Secret clearance or higher is preferred.
* US Citizenship and Eligibility for a DoD Clearance is required.

*Preferred Requirements:*

* Experience: Previous experience with DoD acquisition processes and lifecycle management.
* Tools: Familiarity with simulation and modeling tools, and experience with Agile development methodologies.

**EOE AA M/F/Vet/Disability**