INDUS Job Requisition

Job Requisition Number: 20180226C	
Job Title: Model Base Systems Engineer (MBSE)	**Salary Range:** Commensurate with experience
Work Location: San Diego, CA	**Relocation Assistance**: None
Employment Type: Full-Time; Immediate Hire	**Security Clearance**: Candidates will be subject to a security investigation and must meet eligibility requirements for access to Secret classified information. U.S. citizenship required.
Posted Date: 26 February 2018	**Closing Date**: None

Mandatory Skill Requirements (must have):
- o Proficient in MBSE methodology and practices applying modeling languages - (SysML, UML, UPDM) and Tools - (Magic Draw, Rhapsody DOORS and/or System Architect).
- o Systems Engineering experience with communication and data system architecture including design, systems documentation, system requirements, CONOPS, systems verification.
- o Familiar with integrating multiple aspects of a model base system diagrams i.e. functional/ behavioral/ performance/structural/components etc. Experience utilizing Object – Oriented systems engineering concepts.
- o Experience developing database applications servicing multiple applications and users with SQL and other development languages/tools in either Oracle or SQL Server (Microsoft).
- o Develop and implement integrated program strategies and plans to ensure business, technical, and customer requirements are achieved.

Desired Skill Requirements:
- o Design and develop architecture data models utilizing M-CAD, E-CAD, SysML and UML techniques and software.
- o Experience working through transitioning a document centric organization to a model centric construct.
- o Experience within Space and Naval Warfare Systems Command (SPAWAR) System Center Command, Program Executive Office (PEO) Command Control, Communications, Computers, & Intelligence (C4I) or related Department of Navy (DON) organization performing system engineering development, design, installation, testing analysis and integration assignments – a Plus.

Job Duties:
- • Responsible for the design, development, integration, and implementation of a MBSE solution for DoD programs. Support Space and Naval Warfare Systems Command (SPAWAR) System Center Command, Program Executive Office (PEO) Command Control, Communications, Computers, & Intelligence (C4I) and related Department of Navy (DON) organizations performing system engineering development, design, installation, testing analysis and integration assignments.
- • Perform capability and requirement analysis for Navy communication systems architectures. Provide support in documenting operational, mission, system, systems-of-systems, and software architectures using standards such as Department of Defense Architecture Framework (DoDAF), Use model base engineering to establish technical baselines including requirements, analysis

Job Duties (continued):

design, implementation, and verification of C4I systems.

- Utilize systems engineering principles to solve engineering problems, creating process-driven documentation, writing and deriving formal requirements, managing project requirements, and producing to task schedules.
- Work within an Integrated Product Team (IPT) structure, analyze inputs from stakeholders and review and update system documentation to identify key capabilities, missions, activities, systems of systems technologies, and the relationships between them.
- Assist the Design team and Assistant Program Manager (APM) by ensuring system and program level planning and assessments with system engineering and acquisition activities for Shore Platforms, including providing the appropriate level of oversight (Management and Coordination) across the PEO C4I / SPAWAR Enterprise throughout stages of acquisition, systems engineering, modernization and maintenance processes.
- Participate in technical reviews, working group meetings, IPT sessions, and other technical meetings.
- Assist in the development of a major Data Environment design and implementation which will be used in MBSE and installation design.
- Assist and advise in the development of Installation Design Plans (IDPs) using automated MBSE and Building Information Modeling (BIM) toolsets to include elements such as block diagrams, wiring diagrams, cabling diagrams, signal flow diagram, and other associated details.

Education/Equivalent:

o Accredited degree from Accreditation Board for Engineering and Technology (ABET) recognized engineering curriculum.
o BS Degree in physical science, engineering, or mathematics that includes 24 semester hours in physical science and/or related engineering science such as mechanics, dynamics, properties of materials, and electronics.
o Object Management Group (OMG) – OMG Certified Systems Modeling Professional (OCSMP) certifications desired.

Travel Required:

Position may require some travel, anticipated not to exceed Monday-Friday work week quarterly.

Comments:

Apply for position online at https://industechnology.applicantpro.com/jobs/738072.html.