

**Job Title:** BMDS Test Engineer

**Location:** Schriever Air Force Base, CO

**Clearance:** Top Secret

**Level:** Mid-Career

Position Description:

Candidate will operate primarily out of a government facility supporting the Missile Defense Agency's Digital Modeling and Simulation program. This position involves hands-on support for MDA's Digital Ballistic Missile Defense System (BMDS) simulation used in the assessment of MDA's tactical systems. The selected applicant will become part of an integrated contractor team as a BMDS Test Engineer supporting high-fidelity/high resolution modeling of the Ballistic Missile Defense System (BMDS). The BMDS Test Engineer will ensure the government's desired technical direction is consistently implemented in support of Digital Modeling and Simulation (M&S) Continuous Digital Assessment. Some travel may be required.

Primary Duties and Responsibilities:

- Designs, develops, and executes advanced test programs, processes, and systems to conduct assessment of the BMDS through Digital M&S.
- Typically leads the design and building of test environments.
- Writes advanced highly complex test procedures and configurations to meet the goals and objectives of the BMDS analysis community requests.
- Monitors the gathering of M&S data and typically supervises the evaluation of test results to determine if system configurations and architecture meets customer specifications and performance expectations.
- Executes advanced, highly complex, test simulations to evaluate how systems react under different conditions and analyzes system failures to assess the integrity and reliability of system performance.
- Defines debug protocols for Digital M&S hardware and software.
- Analyzes complex test cases and scenarios and reports results.
- Collaborates with other engineering groups to improve or upgrade system performance.
- May provide technical consultation to other organizations and work leadership for lower level employees.

Minimum Requirements:

- Bachelor's Degree in Engineering or related technical discipline is required.
- Five (5) to eight (8) years applicable progressively complex related experience.
- Demonstrated understanding of the BMDS system.
- This position requires the selected candidate have an active DoD Secret clearance with the ability to obtain a TS/SCI clearance.

Required Skills

- Proficient in hardware/software integration
- Proficient in shell scripting languages: Bash, AWK, sed, Perl, Python
- Proficient in conducting trouble shooting, and Software debugging
- Experienced with Linux operating system
- Experienced in Windows Excel, PowerPoint, Word, and Visio
- Experienced in BMDS Domain/concepts and strategies
- Familiarization with VMware
- Knowledge using SQL and/or other query tools to gather and interrogate data from large data repositories
- Candidate will work as part of a multi-contractor/government team and must be able to complete tasks with little direct supervision.

Preferred Qualifications:

- Security + or ability to obtain within 90 days of hire
- Experience with development of test automation and development of automated test scripts
- Experience working in an Agile or hybrid Agile process environment
- Experience leading test activities
- Experience performing digital test executions against large sets of established goals and providing related reports at levels of detail appropriate for the intended audience
- Capacity to quickly grasp complex technical information
- Experience in planning, coordinating, and executing tests involving teams of engineers, analysts, and operators
- Able to work comfortably and effectively with team members within the same organization, including other DoD contractors and government leads, as well as teams and individuals from outside organizations
- Familiarity with BMDS components, kill chain terminology, and tactical message formats

Security Clearance Requirements:

- Position requires that candidate possess an active TOP-SECRET security clearance in order to access classified information. Inability to maintain a security clearance will result in candidate being ineligible to support this position.