

**JOB DESCRIPTION: Sr. Software Engineer \*\*TS/SCI w/ Full Scope Poly Required\*\***

The Senior Software Engineer shall have a minimum of sixteen (16) years experience in software development and maintenance (i.e., software requirements analysis, software design including object oriented analysis and design, coding, testing, documentation, configuration management, user training, deployment, and lifecycle maintenance).

A Master's Degree in Computer Science, Computer Engineering, or in a related field may be substituted for six (6) years of experience. A Bachelor's Degree in Computer Science, Computer Engineering, or in a related field may be substituted for four (4) years of experience

The candidate shall have knowledge of the Software Engineering Institute (SEI) Capability Maturity Model Integration for Software (CMMI-DEV) model.

The candidate shall have knowledge of relevant DOD standards for software testing and documentation.

In accordance with the specific requirements of the DO, Sen S/W Eng shall have one or more of the following skills:

- Experience in designing and developing multi-tier Java web applications, developing and validating user and system requirements, writing design documents, test plans and test results, and assessing architecture and current hardware limitations and recommending solutions.
- Experience in designing and developing applications using “C”, Cobol, Java, ColdFusion, and Adobe Flex development tools. The candidate shall be knowledgeable in using SQL and PL/SQL to access Oracle and SQL Server databases.
- The ability to architect software systems.
- Experience in the research, selection, and integration of software frameworks (e.g.: Spring, Hibernate, Struts, and JUnit).

The Sen S/W Eng shall exhibit a working knowledge of and ability to assist others in the use of Java APIs such as JDBC, JPA, and EJB.

The Sen S/W Eng shall be able to contribute to database design, and be able to generate SQL queries and stored procedures.

The Sen S/W Eng shall demonstrate leadership competencies such as adaptability and strong communications skills. Experience shall show effective and benefit/growth focused change patterns, such as treating change as growth opportunity, leading and teaching fellow workers about change, and becoming an expert or facilitator of the change process. Communication skills shall be strong and specifically focused on catering to the audience's experience-level.