

**ESD ID:** ESD-16-1028

**ESD Title:** Systems Engineer Level 4

**Experience:** 15 years, 11 years w/BS, 9 years w/MS

**Clearance:** TS/SCI w/FSP

**Position:** Lead System Engineer

**Position Specific Requirements:**

- Lead systems engineer, with as much knowledge as possible with the technical benefits (and downsides) of Linux, commercial computer network defense tools, Splunk, Puppet, virtualization solutions, server hardware, and traffic collection technology.
- The ideal candidate has a proven ability to lead, help the customer develop the best possible requirements, and an ability to utilize a team to help make those requirements into reality and yield a highly satisfied customer.
- An ability to work well with people is critical, as well as an ability to be able to be that person in government spaces able to wade through everything and get things done.

**Minimum Requirements:**

- 6+ years as a lead system engineering to include experience in leading, managing, and collaborating with a broad range of organizations and groups/teams needed to accomplish the system engineering tasks.

*15+ years in one or more of the following:*

- Systems Engineering of DoD command, control, communications and intelligence (C3I) systems
- Analyzing needs, deriving system-level requirements, and contributing to the design, development, implementation, and maintenance of computer networks and systems
- Microelectronics engineering, integrated circuit design and integrated circuit reverse engineering skills

**Desired Requirements:**

- Understanding of secure systems engineering development, including system security requirements analysis, system security requirements allocation, trade-off analysis, other systems security analyses, and secure system definition and specification development
- 6+ years experience with Field Programmable Gate Array (FPGA) design and engineering
- 3+ years experience with Security Content Automation Protocol (SCAP) and Trusted Network Connect (TNC)
- 6+ years experience with data modeling to include the development and implementation of a data modeling methodology
- 3+ years experience with virtualization technology (e.g. VMware) implementation
- 6+ years experience in designing and developing user interface features, writing design documents, test plans and test results, and assessing architecture and current hardware limitations
- 4+ years in defining and developing comprehensive Java 2EE solutions as part of a Service Oriented Architecture (SOA) using applicable DoDAF standards
- Demonstrated expertise in system engineering for VAO Data Integration Analysis and Reporting (IA&R) activities to include DoD and IC data standardization efforts as they relate to IA&R

- Ability to be able to look at potentially complex set of information requirements documented (often incompletely) in a variety of ways (e.g. physical data base schemata, data format specifications, system documentation etc.) and able to pull out the key generalizations/abstractions and organizing structures that form the basis of a good logical data model
- Experience with all of the following: visual modeling languages (e.g. Entity Relationship Diagrams (ERD), Unified Modeling Language (UML) and the tools that support them (e.g. Popkins System Architect, ERWin, Sybase Power Designer, Rational Rose, Visio, Oracle Designer); Physical schema languages (e.g. Structured Query Language (SQL) Data Definition Language (DDL), W3C XML schema (XSD)