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LSE System Architect

Position ID: 2016 – S – 124

Position Location: Washington Metro Area

Duration of Position: Full-Time

**Security Clearance TS/SCI
(TS/SCI Clearance REQUIRED)**

Need Date: Immediate

Intelligence Consulting Enterprise Solutions, INC. is looking for a LSE System Architect.

Description:

The LSE SA will have demonstrated experience developing enterprise architectures that capture future states and capabilities within the GEOINT or other applicable IC/DoD domain, following the DoD Architecture Framework (DoDAF) using the Unicom System Architecture (SA) tool, across multiple time epochs. Manages/develops/coordinates and documents integration of inter-dependent LSE functions into NSG baseline architecture and NGA systems/segments/ capabilities/ services. Performs SE&I technical implementation and plan/schedule/technical performance/cost/risk/ supportability and mission effectiveness analyses for NSG enterprise mission capabilities leveraging mission partner systems. Performs analysis at all levels of total system product throughout System Life Cycle. Ensures systematic conversion of customer or product requirements into total systems solutions that acknowledge technical, schedule, cost constraints. Performs functional and timeline analysis, detailed trade studies/AoA, requirements allocation, interface definition, translating customer requirements into system specs/capability descriptions/use cases/user stories. Maintains strong awareness of technical IT, GEOINT domain, TPED (Tasking, Processing, Exploitation, and Dissemination) trends, on-going IT projects, and mission/business requirements. Develops end-to-end project analysis, ensuring the system being developed complies with GEOINT Enterprise Architecture and supports Major System Acquisition control gates. Provides NGA systems planning from joint topical requirements and CONOP development to enterprise transition into operations, spanning across the entire TPED spectrum.

Specific responsibilities include, but are not limited to:

- Understand architecture concepts and demonstrate value to customers leveraging architecture principles and artifacts
- Perform architecture analysis to determine and assess impacts to LSE Project
- Produce DODAF compliant, value-tailored Capability, Operational, System, Service, and Portfolio views
- Apply conceptual and logical data architecture concepts of value to the LSE Project
- Apply innovative mission capability/process/implementation re-engineering integrating a new resource into TPED SLC
- Conduct detailed studies and AoA's, and design/dependencies/performance reviews, identifying dependencies and issues requiring course correction or senior guidance to maintain cost, schedule, performance, and deliver recco's to Customer



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- Develop program architecture views, capability statements, implementation roadmaps, plans and schedules
- Execute end-to-end joint RFC process to develop/derive/decompose/allocate functional requirements which impact NGA/Mission Partners preparing/coordinating required docs
- Leverage comprehensive governance approach in developing architecture artifacts, ensuring compliance with EA principles and strategies, and timely product development
- Develop/implement architecture frameworks, metamodels, methodologies, SOPs, style guides, presentation material supporting construction/integration of architecture artifacts
- Plan/Lead Architecture integration Technical Exchange Meetings (TEMs)
- Manage continuous customer/stakeholder engagement business rhythms/communications
- Implement vision to replace stovepipe Motion Imagery (MI) / Full Motion Video (FMV) TPED with an open NSG enterprise, system of systems service-oriented architecture (SOA)
- Ensure Project Capability Mission Based Outcomes (MBO) are achieved, providing requisite capabilities and services to meet mission and GEOINT community user needs

Required Qualifications:

- BS in Engineering, Computer Science, Information Systems, Math, or related scientific or technical discipline
- 11+ years of experience in directly related field
- 5 years SA/SE experience (e.g., requirement engineering/analysis, standards) related to GEOINT, NTM, Motion Imagery
- Enterprise/System Architect certification by a recognized Government or academic institution
- Experience using relevant architecture (e.g., Unicom Rational System Architect) tools & developing architecture models
- Demonstrated experience leading teams developing/integrating architecture models across the capability, operational, and solution domains to include both structured (functional decomposition) and object techniques
- Experience applying SE processes, planning complex system enterprises, developing CONOPS and design patterns, performing requirements and interfaces analysis and definition, implementation planning, readiness, systems transitions.
- Experience using logic and reasoning to identify the strengths and weaknesses of alternative technical solutions, conclusions or approaches to problems, driving data driven decisions
- Demonstrated ability/experience identifying/solving problems reviewing related information to develop/evaluate options and implement solutions with minimal supervision/direction
- Self-starter; Adaptable to changing priorities; Comprehends complex technical issues; defines problem in ways that communicate and persuasively proposes solution to meet mission needs
- Ability to work independently and within a team environment of architects/engineers/SME's
- Strong customer service teaming skills; ability to collaborate in cross-functional team
- Strong interpersonal, organizational, multi-tasking, written, verbal, and presentation skills
- TS/SCI security clearance (SSBI current within 5 years)

Desirable Qualifications or Exceptional Candidate:



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- MS in Engineering, Computer Science, Information Systems, Math, or related scientific or technical discipline
- SE&I (INCOSE), IT (ITIL), Security (CISSP), Agile (Agilist, SCM), LSS certifications; SAFe Knowledge
- Awareness, Application and Practical Use of/Traceability to key community reference models (JARM, FEA-CRM)
- Knowledge & experience with NTM capabilities, NSG/IC/DoD architectures/missions, NGA and GEOINT Data-Provider Mission Partners sensors/systems (esp, RTM/GIMS/RMS, IDS-D & library systems, SOM, OBP, FCMS, IEC)
- NGA/NSG, IC/DoD IT knowledge [e.g., ICITE, cloud architectures/missions, as-is/future vision] across domains
- Knowledge of Cloud Computing initiatives [e.g. interoperability platform patterns & tenets {virtualization (HW & SW)}, interface abstraction, open standards [FEDRAMP], frameworks (NIST)]
- Working knowledge of NGA acquisition/baseline configuration/change management processes
- Airborne ISR TCPED SLC (e.g., FMV, MAWS, WAPS/WAS, MTI, ABI, SOM, exploitation) experience
- Demonstrated working knowledge of the NSG Enterprise, NGA organization, leadership, programs, systems
- Technical project engineering leadership expertise and experience, working across boundaries, in LSI, SE&I, SETA role