

## Career Opportunities

### Engineer, Senior System (Data Scientist) – ESS215

#### Fibertek has immediate career opportunity for an Engineer, Senior System (Data Scientist)

Fibertek is an internationally recognized leader in the development of state-of-the-art electro-optic solutions for the Military, NASA and Aerospace markets. We specialize in the design, development and manufacture of advanced laser transmitter systems and sophisticated electro-optical sensors. Our over 30 years of industry knowledge and technical expertise has led to a successful history of technology and product deployments ranging from under-sea to deep space applications and covering the optical spectrum from the UV to mid-infrared.

#### **Job Overview:**

Makes use of engineering techniques to plan, develop, and analyze diverse engineering systems, as well as to design, investigate, and evaluate such devices, including sensor elements and other associated equipment. Will be responsible for evaluating and preparing system engineering and technical analyses; documents, proposals for change, and other technical documentation. Will utilize system engineering experience in carrying out functions, including configuration and resource management, quality assurance, and system integration, acquisition, and testing. Will also include developing, implementing, and analyzing; designing, and testing automated data processing software affiliated with engineering requirements of sensor systems, and management information systems or associated support systems. The position also involves working on software solutions through the study of information needs, system flow, work processes, usage of data, and conferring with users. Will examine problematic areas in systems by following the software development lifecycle in achieving organizational and engineering objectives by completing associated results from field tests as required.

Must be proficient in software architecture tools to include: UML, SysML, DoDAF and other current SW modeling tools.

#### **ESSENTIAL DUTIES & RESPONSIBILITIES**

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This position will be responsible for the following efforts, embedded with the customer team:

- Proficiency in software architecture modeling (UML, SysML, DoDAF) and software tools for modeling (MagicDraw - Primary, others good to know)
- Must be able to generate system engineering documentation/artifacts (OV-1's , SV's, SvcVs, etc) to describe how software systems exchange data, information, services etc.
- Strong familiarity with software communication standards, systems interfaces, and system of systems engineering
- Familiarity/Experience developing software architecture models for acquisition programs (platform independent and platform specific models)
- Experience with state machines, process/activity diagrams and data translations/mapping between software systems

- Familiarity with agile development and model driven architecture

## **QUALIFICATIONS**

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- Will have at least 5 years of experience working in Government and particularly Department of Defense on advanced technology efforts.
- Will understand policies and procedures impacting the development, application and fielding of technology in a DoD environment.
- Will have demonstrated background in Science and Technology, Engineering, Advanced Technology and Acquisition.
- Will have BA/BS degree, Engineering preferred, with additional education desired
- Will have an existing DoD Security Clearance at the SECRET level

## **WORK ENVIRONMENT AND PHYSICAL DEMANDS**

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- General office environment, some lifting and/or moving up to 25lbs required
- Travel (CONUS & OCONUS) up to 25% of time

**To explore this opportunity further, please send your resume to [jobs@fibertek.com](mailto:jobs@fibertek.com). Fibertek is an Equal Opportunity Employer (EOE), qualified applicants are considered for employment without regard to age, race, color, religion, sex, national origin, sexual orientation, disability, or veteran status.**