Systems Integration Engineer

The SIE contributes to the integration and follow-on support of Intelligence, Reconnaissance, and Surveillance (ISR) mission systems. These systems involve ISR sensors such as EO/IR, RADAR, SIGINT, communication subsystems such as audio and air-to-ground datalink, and a network of computers that serve a variety of purposes. The SIE is expected to be highly competent in the areas of software and network troubleshooting and expected to travel CONUS/OCONUS to support and train systems as required. Occasionally the SIE will remotely support systems in different time zones which may drive the need to work during non-business hours.

Following are the primary responsibilities. The SIE is also expected to assist in other areas as needed.

- Design software and hardware solutions to meet specification requirements.
- Verify specification requirements have been met through drawing/specification inspection, laboratory test, and aircraft ground and flight test.
- Track requirement non-compliances and work with design team and program management to resolve.
- Provide hands-on and analytical troubleshooting support during system configuration, verification/validation, and support phases. Support will be provided internally (to engineers, technicians, and Field Service Representatives) and externally (to customers and partners).
- Provide interface/source control documents, systems analyses, trade studies, test reports, architecture views, test procedures, operating procedures, assembly procedures, software descriptions, configuration captures, training slides, and system integration lab (SIL) plans.
- Analyze and contribute to system specifications.
- Contribute to winning technical proposals.
- Support technical publications development.
- Will have direct customer contact and be expected to fly on military & law enforcement aircraft.

Qualified candidates will possess:

- Track record of successfully designing and troubleshooting computer-based systems
- Excellent verbal and written communication skills
- Advanced knowledge of Microsoft Windows, Linux, and IP networking
- Must be able to lift up to 50 lbs
- Must hold or be able to obtain a US passport

Desired skills:

- Knowledge of C, Java, or Python languages
- Experience with source control and issue tracking tools