

We have an opening for a software network engineer to assist in the development of a new global military satellite communications (MILSATCOM) ground system that will manage transmission of protected tactical waveform — a type of secure, anti-jam communication — over existing satellites and terminals. The successful candidate will execute hub system engineering in a fast-paced agile environment. We seek candidates who have hands on experience of network design, system design, software development and agile methodologies. You will be involved in the development lifecycle from idea creation to implementation. This position will place you in a role where you have the opportunity to make an impact on the results of the project.

Responsibilities:

- Execute satellite hub system design to work from system requirements through to system delivery.
- Perform trade analyses on various networking design options including hands-on prototyping work.
- Develop robust system and high-level software designs that meet requirements.
- Collaborate with customers, software engineering and program management to develop system design solutions that meet requirements.
- Resolve system design issues raised by implementation teams in a timely and effective manner
- Ensure that all requirements are traceable to implementation and test cases including assistance generating effective test plans.

Requirements:

- BS in engineering related discipline
- In depth experience of computer networking principles
- 8+ years of software development experience in C and/or C++
- 8+ years system design experience including the development of system design documents
- 8+ years' experience of system design of complex communications systems
- 8+ years' experience writing technical documents for external customers
- US Citizen

Preferred Qualifications:

- MS degree
- Experience with open source switch implementations and deployments (e.g. Open vSwitch, DPDK)
- Experience with Networking protocols (Layer 2, Layer3), packet flows, queuing and prioritization schemes
- Experience working on government systems and/or government process environment
- Experience working in agile project environment (e.g. Jira, Confluence)
- Experience with a requirements management tool (e.g. DOORS)
- Outstanding verbal and written communications skills, including ability to make persuasive presentations to external customers
- Experience with a configuration management tool (e.g. bitbucket/Git, Clearcase)
- Experience working on satellite telecommunications systems