

FALCONWOOD INC.

About Falconwood, Inc:

Falconwood, Inc. is a small, woman/veteran-owned business providing executive level consultants and programmatic support to Department of Defense (DoD) Information Technology (IT) initiatives and programs.

We provide expert consultation on a diverse range of IT subjects focusing on acquisition strategy, implementation activities and Information Assurance policy and engineering.

We have an immediate opening for a **Senior Optical Transport Engineer** that will directly support both the Network Transformation APM-E and the CHENG for tasks and support services associated with Network Transformation activities. The SME will support tasks of high complexity relating to the installation, maintenance, service/troubleshooting (problem analysis) and design of all transport equipment (SONET, digital, DWDM, analog, and telephony) including but not limited to fiber equipment, MUX/DEMUX, and NMS.

Duty Location:

Washington, DC Navy Yard

**Minimal travel may be required.*

The Sr. Optical Transport Engineer will:

- Provide strategic recommendations and analyze requirements in the form of white papers, Business Case Analysis (BCA), technology and business roadmaps, authoring and editing Statement of Objectives (SOOs) to the vendor, and by engaging in Integrated Product Teams (IPTs) as required by the Program Office.
- Additionally, the Network Engineer engages with industry to create strategies for evolving the services and delivery HW/SW products to keep pace with Industry's delivery pace and to best meet the need of the Navy warfighter.
- Provide technical planning and support for various strategic initiatives such as JIE/JRSS, Cloud, Office 365, JMS (Systems, Cyber and Network Mgmt. tools).
- Analyze and evaluate data, provide technical planning, recommendations related to solution approaches for engineering projects in support of network transformation modernization (e.g., optical core, bandwidth analysis, system reconfiguration, technology refresh, etc.), applicability of solutions to the sites and systems for which the solution is proposed, and a description of the solution and its attributes.
- Provide senior level design solutions, configuration and troubleshooting of network elements to support voice, video and data traffic.

FALCONWOOD INC.

Required Qualifications:

- Minimum SECRET clearance
- Bachelors degree or equivalent related experience preferably in an engineering discipline related to computer science, computer engineering or similar field.
- Deep knowledge and understanding of Layer 0, 1, 2, 3, 4 architectures, protocols, design, implementation, and operation.
- Experience with IP Protocols, MPLS, OSI Layers, Network Management and Element Management Systems.
- Thorough understanding of dense wavelength division multiplexing (DWDM), legacy Synchronous Optical Networking (SONET) GR253, circuit emulation (CEM), and Optical Transport Networking (OTN) G.709.
- Experience testing, provisioning, and troubleshooting Optical Carrier Technology including SONET, DWDM, TCP/IP routed data and Carrier Ethernet.
- Experience with optical test equipment (OTDR, OSA, BERT, optical power meter)
- Must have strong troubleshooting, technical writing and communication skills

Desired:

- Experience in large IT environments (100,000+ users)
- Familiarity with Department of Navy (DON) command organization and IT infrastructure is a plus
- Understanding of Joint Integrated Environments (JIE) and JRSS is a plus
- Familiarity with Navy Marine Corps Intranet (NMCI) and other Navy network environments is a plus

Please reply directly to this position description with an updated resume and your salary requirements directly to Tiffany Cannon at tcannon@falconwood.biz.

**Tiffany A. Cannon
Falconwood, Inc.
Office: 703.888.4328
Email: tcannon@falconwood.biz**