



Solstar Space Co.

[www.solstarspace.com](http://www.solstarspace.com)

## Software Engineering Lead (WiFi/SatCom)

Albuquerque - Santa Fe Metro Area

### **WiFi in Space for the New Space Age. Connecting Everything and Everyone in Space.**

Solstar Space is the leading commercial space-based connectivity company pioneering the use of persistent communications services for all types of on-orbit assets including satellites, space stations, launch vehicles, and more. We provide a secure internet connection between spacecraft and Earth-based payload managers, satellite operators, and enable communications for crewed and uncrewed missions in sub-orbit, LEO, and cis-lunar and lunar surface operations.

Our fast, reliable services, space-tested routers, WiFi access points and hotspots, and space-based satellite data relays are being developed to deliver on-orbit connectivity and are supported by 24/7 customer care. These devices are installed on satellites and spacecraft prior to launch to keep crew, spacecraft, and Earth-based satellite operations teams connected.

### **What You'll Do:**

The Software Engineering Lead will contribute to the Solstar Space software engineering effort in a variety of ways. In this role, you will be solving a wide range of novel engineering challenges related to our satellite transceiver product and Solstar WiFi Access Points in an extremely fast-paced environment.

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### **What It Takes:**

You are responsible for building a team and the complete lifecycle of the software you create, including development, testing, and support. The successful Software Engineering Lead will be self-motivated, curious, willing to ask questions, with a strong desire to see tangible results from their efforts.

Some experience with radio communications systems, either satellite or terrestrial and mobile satellite services (MSS).

- Bachelor's degree in computer science, engineering, math, or STEM discipline and 5+ years of professional software engineering experience, programming with C or C++; OR 7+ years of professional software engineering experience, programming with C or C++ in lieu of a degree.
- 5+ years of professional experience working with wireless software or network protocols.
- 5+ years of experience in people leadership, managing software engineering teams, and driving successful software delivery.

### **What We'd Love:**

- Strong knowledge of wireless communications, networking protocols and/or signal processing.
  - Familiarity with the L1, L2, L3 protocol stack layers in broadband access technologies such as: Wi-Fi, LTE, 5G or satellite broadband.
  - Network device drivers, operating system internals, Kernels, compilers, SOC architecture
  - Experience with embedded systems.
  - Experience with containerization (Docker, Podman).
  - Experience with CI/CD Pipelines (Jenkins)
  - Knowledge of Python, PHP and JavaScript.
  - User space development for connectivity related products (Wireless Lan access points/ controllers, networking equipment) in one or more of following areas:
    - HostAPD, Portal, RADIUS, AAA, Identity and role management, Radsec
    - Tunnels, Firewall, Iptables, Flow Classification, QoS, TLS, DTLS
  - Experience with Wi-Fi device drivers on Linux.
  - Hands-on experience in working with one or more WIFI chipset platforms.
  - Good System Level understanding of the Wireless AP functionality
  - Experience in developing Wi-Fi features, system integration, evaluate various performance parameters.
  - Experience with government contracts and managing projects with government agencies such as NASA and Space Force.
  - Knowledge of payload design/development for Human Space Flight.
  - Strong knowledge of NIST 800-171 Cybersecurity Standards (Knowledge of CMMC a huge bonus).
  - Creative approach to problem solving, exceptional analytical skills and engineering fundamentals.
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- Strong skills in debugging, performance optimization, and unit testing.
- Excellent communication skills both written and verbal.
- Ability to work effectively in a dynamic environment with changing needs and requirements.

**Where You'll Be:**

- Ideally, the position will report onsite at our headquarters in the Albuquerque - Santa Fe Metro Area.
- We have offices in Sante Fe, New Mexico and Boulder, Colorado.
- Remote candidates may also apply.

**What we offer:**

- Paid time off with floating holidays
- Comprehensive medical, dental, and vision coverage
- Short-Term and Long-Term Disability

**ITAR Requirements:**

This position is subject to U.S. Government space technology export regulations, including the International Traffic in Arms Regulations (ITAR). Candidates must be a U.S. Person (this includes U.S. Citizen, Permanent Resident, Protected Individual as defined by law), or eligible to obtain the required authorizations from the U.S. Department of State. Learn more about ITAR [here](#)

**Equal Employment Opportunity:**

Solstar Space provides equal employment opportunities to all employees and applicants without regard to race, color, religion, age, sex, gender identity, sexual orientation, national origin, veteran status, or disability.

Solstar Space collects and processes personal data in accordance with applicable data protection laws. If you are a US Job Applicant, see the [CCPA Privacy Policy Notice](#) for further details.

**How to Apply:**

Please send a cover letter and your resume to [careers@solstarspace.com](mailto:careers@solstarspace.com) to apply for this position. We look forward to hearing from you!

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