



## Back-End Software Engineer

Umbra Lab, Inc. is a Santa Barbara, CA space company developing next-generation space systems. We are looking for mission driven professionals to join Umbra Lab. Join our team to embark on an exciting, innovative and meaningful career. Every team member can have a significant and essential impact, and career growth is unlimited. The commercial remote sensing industry is experiencing meteoric growth – this is a chance to change how humans and machines use data from space.

We are looking for a talented, mission-driven professional to work closely with a multidisciplinary engineering team as a Ground Software Engineer (back-end), developing back end services for next-generation space radar systems. This position involves integrating ground control software. The engineer filling this position will be responsible for integrating third-party ground control, communications, and tasking software to produce an integrated spacecraft operations control center.

### Key Responsibilities

- Collaborate with engineering team to develop and interface ground system architecture in support of a small satellite constellation.
- Lead and implement ground software architecture.
- Lead the integration of multiple existing ground software components.
- Support the design and implementation of a Mission Control Center.
- Prepare engineering documentation, reports, and test plans.

### Basic Qualifications

- Bachelor of Science in relevant discipline such as computer science or electrical engineering.
- 7+ years of relevant experience in software design and implementation.
- Experience with full life-cycle software architecture, development, and implementation.
- Experience with software test methodologies.
- Comfortable working in a dynamic and fast-paced development environment.
- Familiarity with server-side languages (i.e., JavaScript, Python, Ruby).

### Desired Qualifications

- Working knowledge of Amazon Web Services (AWS), including EC2 and S3.
- Working knowledge of satellite ground command and control architecture.
- Experience with Kratos and/or Kratos Quantum ground control software.
- Experience in C / C++ and Python.

### Additional Requirements

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire. All persons hired will be required to be a U.S. citizen, a lawful permanent resident of the U.S., or protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State.

### Benefits

- Professional Work Environment
- Flexible Vacation / Paid Time Off Policy
- Medical, Dental, Vision & 401(k)
- Stock Options

### About Umbra Lab, Inc.

*Umbra Lab, Inc. is a venture-backed space company developing next-generation space systems. We are looking for mission-driven professionals to join Umbra Lab. We are building a bold, experienced team of payload developers and spacecraft systems engineers to aggressively expand the state-of-the-art for commercial remote sensing. Join our team to embark on an exciting, innovative and meaningful career. Every team member will have a significant and essential impact, and career growth is unlimited. The industry is just beginning meteoric growth – this is a chance to change how humans and machines use data.*

To apply: Email resume to [careers@umbralab.com](mailto:careers@umbralab.com)