

UMBRA

Software Engineer – Full Stack

Umbra Lab, Inc. (“Umbra”) is a technology company which builds next-generation space systems. Umbra is launching an unrivaled constellation of space-based radar satellites with synthetic aperture radar (SAR) capabilities, to produce all weather day-night imagery with sub-meter resolution for low cost distribution via an integrated web platform. We are a bold, experienced team of developers, engineers, product specialists, and other professionals working to aggressively expand the state-of-the-art for commercial remote sensing.

We are looking for an experienced Full Stack Software Engineer to be a key contributor to our internal and customer-facing web applications. The individual filling this position will collaborate with product owners and multidisciplinary engineering teams to analyze, develop, and maintain software in support of our autonomous satellite operations. As an early contributor, they will play a key role in Umbra’s efforts toward redefining how space radar data is consumed.

Key Responsibilities

- Proactively seek out ways to empower our customers and satellite operations engineers to better understand and interact with our constellation of radar satellites
- Collaborate with the product and engineering stakeholders to assess solution requirements, implement new features, and optimize existing ones
- Troubleshoot and repair application issues, in-house tools, and other application infrastructure as needed
- Design and document intuitive RESTful APIs
- Contribute to the design of our customer and developer experiences

Basic Qualifications

- Bachelor of Science in Computer Science or equivalent experience in relevant discipline
- 3 - 5 years of programming experience with server-side scripting languages, e.g. Nodejs, Go, Python
- Experience designing and developing intuitive and well documented commercial RESTful APIs
- Strong understanding of HTML and CSS
- Experience with modern SPA development frameworks/libraries, preferably React
- Strong understanding of application security best practices
- Experience with database-backed applications and relational database concepts, preferably Postgres
- Good communications skills, ability to work collaboratively in a team environment, and willingness learn new skills and technology

Desired Qualifications

- Experience with RESTful Swagger / OpenAPI specification
- Experience with Nodejs web service frameworks, e.g. Express, Nestjs
- Fundamental understanding of cloud-based micro-service architecture concepts and patterns
- Experience with GIS, spatiotemporal assets, or geospatial mapping tools, e.g. Cesium, Mapbox
- BONUS: Understanding space vehicle lifecycle, CONOPS, and/or astrodynamics

Benefits

- Flexible Vacation / Paid Time Off
- Medical, Dental, Vision, 401(k)
- Stock Options

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Location

- Santa Barbara, CA

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. Umbra is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

To apply: Email resume to careers@umbralab.com