



MODULARITYSPACE

Chief Systems Engineer

Modularity Space

Modularity Space is changing the satellite industry by offering a suite of technologies and services that drastically cut cost, development time, and customer pains. Our spacecraft platforms are designed to be modular and reusable which allows for increased mission flexibility. In addition to our space system technologies, we offer turn-key solutions through a mission services package that allows satellite operators to focus on their mission. All we need is the payload required to complete the mission and we take care of the licensing, regulatory compliance, launch vehicle procurement, mission design, mission operations, and data processing and compiling.

Modularity Space is building and renting real estate in space. Our mission is to open space to virtually anyone by building satellites and providing affordable payload leasing/renting options for customers to use our satellites, so they don't have to build and operate their own. There are endless possibilities for what we can achieve by building affordable access to real estate in space, and that access is now a reality thanks to Modularity Space. We are looking for leaders who like to push themselves into the unknown and help build the infrastructure for the future of space.

Modularity Space is a fast-paced, aerospace start-up environment with a company culture focused on close team collaboration, rapid and low-cost development, and self-motivated individuals ready to take the initiative to innovate within the commercial aerospace industry. At Modularity Space, you will be given autonomy and ownership to solve critical problems facing the satellite industry. We encourage all types of qualified candidates to apply and tell us how great you are and why you should be considered for a position.

Scope and Responsibilities

Modularity Space is currently looking for a Chief Systems Engineer to provide technical leadership across Modularity Space's innovation domains; these domains include our satellite missions and software development from initial concept and system design through system integration and testing and into orbital operations. This role will require detailed systems analysis, requirements derivation and management, verification and validation methodology, and space operation planning. This position will report directly to the Chief Technology Officer.

As the Chief Systems Engineer and member of the Modularity Space team, you will be on the ground level and responsible for implementing best practices to guide system development and innovations. You will work in a cross-functional environment on multiple, unique satellite mission and technology development projects with a supportive team. This position may require the ability to obtain a Secret security clearance.

Duties include, but are not limited to:

- Develop and maintain space system performance metrics and technical budgets.
- Perform system requirements derivation and management.
- Develop and oversee test procedures as a part of test campaigns.
- Able to assist with project management.
- Develop, with collaboration from team members, and maintain interface specifications and system design documents.
- Build and establish engineering best practices with the technical stakeholders at the company.
- Must be able to work in a highly collaborative, fast-paced environment with emphasis on rapid prototyping, verification and validation, and field testing.

Required Skills and Experience

- Bachelor's degree in a related engineering discipline.



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- Experience with all phases of the program life cycle from stakeholder interactions and mission formulation to integration, testing, and on-orbit operations.
- Experience with space system verification and validation methods and practices.
- Extensive experience in satellite design and operations.
- Ability to work autonomously and to take full ownership of responsibilities and tasks.
- Previous experience and demonstrated skills as a technical specialist on spacecraft subsystems as well as system-level experience.
- Demonstrated experience in small satellite assembly, integration, and test campaigns.
- Experience with delivering a spacecraft to orbit or space-qualified hardware to a customer.

Preferred Skills and Experience

- Master's degree in a related engineering discipline.
- 8+ years of experience as a systems engineer in the space industry.
- Experience with RF subsystems and communications.
- Experience with software development and hardware/software interfacing.
- Strong leadership and problem-solving skills.
- Previous Chief Engineer experience.
- Contract and supplier negotiation experience is preferred.

Important Information

To conform to US Government space technology export regulations, applicants must be a US citizen, lawful permanent resident of the US, protected individual as defined by 8 USC 13244b(a)3), or eligible to obtain the required authorization from the US Department of State.

Modularity Space is an Equal Opportunity Employer, employment with Modularity Space is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.