



Astroscale is the first private company with a vision to secure the safe and sustainable development of space for the benefit of future generations, and the only company solely dedicated to on-orbit servicing across all orbits.

Founded in 2013, Astroscale is developing innovative and scalable solutions across the spectrum of on-orbit servicing missions, including life extension, in-situ space situational awareness, end-of-life services, and active debris removal, to create sustainable space systems and mitigate the growing and hazardous buildup of debris in space. Astroscale is defining business cases and working with government and commercial stakeholders to develop norms, regulations, and incentives for the responsible use of space.

Headquartered in Japan, Astroscale has an international presence with subsidiaries in the United Kingdom, the United States, Israel, and Singapore. Astroscale is a rapidly expanding venture company, working to advance safe and stable growth in space and solve a growing environmental concern. End of Life Services by Astroscale-demonstration (ELSA-d), the company's first on-orbit demonstration of debris capture and removal, launched in March 2021.

Astroscale U.S. is seeking a **Systems Engineer, Mission Systems Architecture**, a creative systems engineer with diverse expertise to develop mission architectures for commercial services related to space sustainability. This is a unique opportunity to join a dynamic and rapidly growing company seeking to make a positive contribution to the growing problem of orbital debris that endangers mankind's continued use of space as an asset. This senior role will allow the right candidate to shape solutions for our missions and to develop the team capable of delivering them. The successful candidate will work with engineers across our global teams.

Duties & Responsibilities

- Development of novel spacecraft mission architectures and system concepts.
- Perform frequent and iterative trades, analyses, and feasibility studies to devise, filter and advance a variety of mission concepts, which may require:
 - Spacecraft design
 - Power / link / mass / delta-velocity and other system budget maintenance
 - Orbits and trajectory design
 - Usage or creation of modeling / simulation / analysis / optimization tools.
- Derivation of effective requirements, mission design, and CONOPS definition.
- Coordinate and work closely with project managers, systems, and subsystem engineers across the global organization to advance our technology roadmap.
- Support the assessment of global supply chain and manufacturing capabilities.
- Provide technical inputs and technical review of new business development proposals.
- Work closely with technical leadership as part of the distributed office of the Astroscale CTO.



Qualifications & Skills

- Minimum 5 years of experience in space system projects and mission design.
- System level knowledge in space systems design and AIV activities, and practical experience in several phases of the lifecycle from concept through flight.
- Broad knowledge of subsystems & engineering teams including: GNC (AOCS, ADCS), astrodynamics, C&DH / OBDH, EPS, structures, RCS (propulsion), COM (communications), software, ground segment & operations.
- Familiarity with space industry standards, approaches, technology state-of-the-art and trends.
- Knowledge of commonly used engineering and modelling packages (e.g., ModelSim, Matlab, STK) and/or experience with model-based system engineering.
- Flexibility to thrive in a fast paced and changing environment, accommodating changes in the work schedule, and supporting remote collaboration with various teams around the world.
- Self-motivated and comfortable working independently.
- Excellent written and oral communication skills.
- Embraces risk and failure with scientific rigor.
- Desired Skills
 - Experience as lead systems engineer or project manager on space missions.
 - Knowledge of space debris, space situational awareness, rendezvous, docking, proximity operations and/or formation flying.
 - Knowledge of robotics, computer vision, AI/ML.

To apply: Email your resume and cover letter to careers@astroscale-us.com with the job title in the subject line. The application deadline is May 30, 2021.

Please note Astroscale U.S. is a U.S. Government registered, export control compliant company, as such applicants should be a U.S. person or U.S. citizen.

Astroscale U.S. is committed to creating a diverse environment and we pursue and embrace a variety of thinking, beliefs, and ways of life that are international, open-minded, and inclusive.