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. Inc. is currently seeking a **Software Systems Engineer** to join our team in our Denver, Colorado location. In this role you will lead the design and development of software solutions for our satellite mission programs. As part of our systems engineering team, you will develop on-orbit servicing solutions that will deliver our vision of a sustainable space environment.

To apply: *Email your resume and cover letter to* careers@astroscale-us.com *with **Software Systems Engineer** in the subject line. The application deadline is **October 4, 2021.***

Salary range*: $100,000 – $160,000.*

Duties & Responsibilities

- Design, develop and execute flight software solutions to address needs across a full satellite mission and lifecycle.
- Develop a flight software architecture supporting modular scalable flight solutions for Astroscale's missions.
- Software system level definition and concept of operations development.
- Flight Software system and sub-system requirements and interface definition, including functional analysis and trade studies as required.
- Rapidly prototype software to prove out architecture and design concepts, and participate in development of computer-in-the-loop and hardware-in-the-loop systems.
- Evaluate and recommend tools, technologies, and processes to ensure the software capability enables the highest quality satellite service mission product.

- Collaborate with the program engineering team, business leadership, customers, and third-party organizations.
- Facilitate the planning, tracking, and scheduling of software deliverables within a program, including delivery from vendors and other collaborating entities.
- Assess software and system issues to find solutions, including across software to hardware interfaces.
- Troubleshoot code level problems quickly and efficiently.
- Software system level verification, validation, integration, and test planning and execution.

Qualifications & Skills

- Knowledge of software development life cycle processes and technologies.
- Knowledge of principles and techniques for developing, modifying, debugging, releasing, and maintaining software systems for mission-critical aerospace applications.
- Understanding of various coding methods and computer languages, including C and C++.
- Experience working on software projects, including the software / hardware interface.
- Collaborative communication and interpersonal skills with the ability to work both independently and as part of a team.
- Experienced professional with greater than 8 years' experience in software development, preferably within aerospace or defense.
- Bachelor's degree, Master's degree or PhD in science, technology, engineering or math, or equivalent experience.

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.