



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 **Real-Time Software Engineer** to join our team in our Denver, Colorado location. In this role you will design and develop 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 **Real Time Software Engineer** in the subject line. The application deadline is **July 27, 2022**.

Salary range: \$95,000 – \$135,000. The salary range represents the low and high end of the Astroscale U.S. Inc. salary range for this position. Actual salaries will vary and may be above or below the range based on various factors including but not limited to experience, knowledge, and ability as applicable to the role.

Duties & Responsibilities

- Design, develop, and test flight software solutions for real-time operating systems to address needs across a full satellite mission and lifecycle.
- Develop within a flight software architecture supporting modular scalable flight solutions for Astroscale's missions.
- Contribute to software system level definition and concept of operations development, including:
 - system and sub-system requirements
 - interface definition
 - functional analysis and trade studies as required.



- Rapidly prototype software to prove out design concepts and participate in development of computer-in-the-loop and hardware-in-the-loop systems.
- Collaborate with the program engineering team (hardware, control, and system engineers) and third-party organizations.
- Assess software and system issues to find solutions, including across software to hardware interfaces.
- Troubleshoot code level problems quickly and efficiently.
- Assist with system level verification, validation, integration, and test planning and execution.

Qualifications & Skills

- Experience with board support packages.
- Experience with iterative and/or agile development processes.
- Familiarity with, or interest in gaining proficiency in, FPGA coding languages such as VHDL or Verilog.
- Collaborative communication and interpersonal skills with the ability to work both independently and as part of a team.
- Experienced professional with greater than 3 years' experience in C/C++ programming in real-time operating systems.
- Ability to understand new concepts quickly and apply them accurately.
- Organize and balance work assignments to meet established timetables.
- Bachelor's degree, Master's degree or PhD in Computer Science, Computer Engineering, or similar with focus on software development 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.