![StarSpec logo] STARSPEC **Job Posting**	**AI&T Technologist Contract Work**	**Type:** Contract / Full-Time **Pay:** $27–$44/hr **Location:** Cambridge / Ayr, ON **Start:** January 2026 (or sooner)

Job Description

StarSpec Technologies is looking for a number of skilled and technically experienced individuals in the area of **Assembly, Integration & Testing** (AI&T) to work on a variety of space-based projects requiring a wide range of skillsets. At a high level, we are seeking skillsets and experience that includes: on-the-floor assembly of spacecraft and testing rigs, prototyping and assembly of electronic circuit boards, light machining and in-situ fabrication, production-level chassis harnessing, and electronics testing / debugging at our Cambridge / Ayr facilities. StarSpec Technologies offers the unique opportunity to bring value to any number of state-of-the-art space-based applications in a fast-paced and exceptional team-driven environment. Applicants who have good experience with some or all of the listed skillsets are encouraged to apply.

This position is on a **Contract Basis** beginning in **January 2026 (or sooner)** at **10 to 30 hours per week**, assigned weekly based on company and projects' needs. This position is applicable for transition to Full-Time based on performance and company needs. Compensation is competitive, ranging from **$27/hr** to **$44/hr**, commensurate with experience and range of technical skills offered.

About StarSpec Technologies

StarSpec Technologies is a pioneering space-based solutions company dedicated to bridging the gap between advanced concepts and flight-ready reality. Our mission is to lower the barrier to space access by developing high-precision pointing systems and versatile satellite platforms. From stratospheric balloon-borne astronomy to rapid-response orbital technologies, we provide the critical infrastructure that enables next-generation scientific discovery and technology demonstration. We don't just build hardware; we accelerate the timeline from the lab to the stars.

Key Skillsets — Applicants must meet at least three of the following skillsets (listed in order of priority):

1. **Electronics Design, Prototyping, and Fabrication**: Concept-to-board analog and digital electronics design and assembly, including SMT reflow and hand soldering prototyping to qualify designs and layout for PCB manufacturing. Experience with PCB design software; KiCad, Altium, etc.
2. **Detailed Assembly and Integration**: Hands-on assembly of mechanical and complex electromechanical and servo assemblies, engaging with engineers directly for direction and clarifications
3. **Light Machining and Prototyping**: Working with basic machining tools (drill press, mill, lathe, etc) to modify components in situ, which may also include prototyping for pre-manufacturing components
4. **Harnessing & Integration**: Chassis instrumentation, including electrical harnessing and electromechanical installation, for highly integrated systems
5. **Electronics Hardware Qualification**: Implementation of electromechanical systems, qualifying for testing on the path to production release with debugging undertaken where necessary

General Qualifications

Must-Haves:

- Demonstrated technical expertise and experience in at least three of the above skillsets.
- Attention to detail and proficiency in undertaking highly complex tasks.
- Strong organizational and multitasking abilities, with the flexibility to adapt to shifting priorities.
- Strong communication and reporting skills.
- Strong work ethic and proactivity to solve problems in a team environment.
- Must be eligible for certification under the Canadian Controlled Goods Program (Canadian Citizen or Permanent Resident).

Nice-to-Haves:

- Familiarity with CAD modeling software for reference assemblies.
- Engineering experience in design and testing.
- Mechatronics experience implementing designs for real, physical systems.
- Knowledge of general space hardware requirements and boundary conditions.
- Relevant machining certifications.
- Crane and / or forklift operator certification.

Screening Questions

Please provide short answers to the following questions in your application:

- Are you a citizen or a permanent resident of Canada?
- Are you available for on-site work in Cambridge / Ayr for 10–30 hours per week?
- What power switching configuration do you prefer; high-side or low-side?
- What problem does a ground loop cause?

Why Join StarSpec?

At StarSpec Technologies, we value **collaboration**, **innovation**, and **efficiency**. As an **AI&T Technologist**, you will have the opportunity to engage with truly exceptional space-based engineering concepts and people, directly contributing to mission success on a number of state-of-the-art projects. For highly qualified applicants that demonstrate excellent performance in this role, we would be happy to consider you for a Full-Time position that has many more opportunities to engage directly with the space industry in Canada and around the world.

If you're ready to contribute to cutting-edge space technology initiatives while developing your professional skills in a dynamic environment, we'd love to have you on our team.

How to Apply?

Email your résumé and cover letter to hr@starspectech.com with the subject "**AI&T Technologist – [Your Name]**" with your answers to the screening questions in the body of the email.

Disclaimer

This is a publicly advertised job posting. Artificial intelligence may be used to assist in the screening and assessment of applications to ensure an efficient and fair review process.