



Sr. Electronics Engineer

Blackswan Space is building time critical software products for complex missions – a cornerstone for enabling the future space economy as space traffic rapidly increases. With the help of the European Space Agency, our team is developing a novel platform for autonomous navigation for small satellites, leveraging computer vision and neural networks.

We are looking for naturally curious minds with a can-do practical attitude eager to satisfy their inner astronaut.

If you're keen on working with cutting edge technologies and build electronics that fly to space, we would love to hear from you !

Job Description

As an instrumental part of our engineering team, you will:

- Lead schematic capture, PCB and connector layout for flight and ground-support electronics, including harnesses and interconnects for time-critical systems.
- Select components (EEE parts where applicable), manage BOMs, and own supplier relationships for PCB fabrication and assembly.
- Plan and lead electronics verification campaigns: functional testing, environmental tests (thermal, vibration), and electrical characterisation.
- Set up and operate laboratory test equipment (oscilloscopes, spectrum analysers, power supplies, soldering stations) to debug and validate hardware.
- Collaborate with software engineers on hardware–software bring-up, board support packages, and driver-level debugging.
- Support integration and test campaigns at system and spacecraft level, including harness routing and connector management.
- Produce and maintain design and test documentation to standards required for space qualification.

Job Requirements

- 5+ years developing electronics from design to deployed systems.

- Solid understanding of analogue and digital circuit design: power electronics, signal integrity, EMI/EMC mitigation, and mixed-signal layout.
- Proficiency in a professional EDA tool such as Altium Designer, KiCad, or equivalent (schematic capture and PCB layout).
- Experience with real-time embedded microcontrollers or FPGAs in a hardware design context (interfacing, pinout, decoupling).
- Demonstrated “hands on” work – be ready to discuss specific boards or systems you have designed, built, and tested end-to-end.
- Ability to read and author detailed technical documentation: schematics, ICDs, test procedures, and verification matrices.
- Good English language skills both verbal and written.

Nice to Haves

- Previous experience working in the space industry is a strong plus: knowledge of EEE components, radiation-tolerant design, ECSS qualification standards.
- Hands-on experience with cameras, inertial sensors and their interface electronics.
- Good knowledge of communication protocols: CAN bus, RS-422, LVDS, or other avionics / industrial communication standards.
- Familiarity with edge compute hardware: Jetson SBCs and CPU/GPU electronics.

Job Location: Vilnius, Lithuania

Employment Type: Full time on-site

Salary range: €2,400 - 3,400/month NET depending on experience.

Working at **Blackswan Space** - What's in it for me?

- Help build the new space industry segment of in-orbit servicing from ground up.
- Flexible working hours, extra Christmas holidays, workations and other company events.
- Work alongside extremely passionate individuals with clear, ambitious goals.
- Significant career and knowledge growth potential in a fast-paced environment.

To Apply: Please send your CV to info@blackswanspace.com