



Software Developer

Start-up description

Space Products and Innovation (SPiN) is a leading provider of modularity solutions for the space sector, offering satellite integration solutions to transform satellites to modular systems, empowering satellite manufacturers to spend high-value time and money where it counts: pursuing new ventures. In addition to MA61C, an intelligent plug and play data node to integrate satellite components off the shelf without user intervention, SPiN provides a service to design satellites in a flexible concept using model based system engineering methodology. Founded in 2020, SPiN Inc. has sister companies in Germany, Italy, the UK and Luxembourg. In 2022, SPiN GmbH launched its first CubeSat to demonstrate its technology in orbit. In 2023 SPiN completed a NASA SBIR Phase 1 contract, including a build and demonstration of a MA61C adapter. More information can be found at <http://www.spinintech.net/>.

Job purpose

The Software Developer will be part of the software team of SPiN and will be responsible for supporting the implementation of the embedded software on the MA61C adapter. This includes designing plug and play functionalities for new subsystems, improving the existing run time, and validation and verification of the new functionalities.

Duties and responsibilities

- Embedded software development
- Windows and linux API development
- Validation and verification with hardware in the loop
- Database management
- Documentation
- Requirements definition
- Research into new technologies for next-generation products

Qualifications

- MSc electrical, computer science, aerospace or similar
- Experience in embedded programming C/C++
- Experience working with microprocessors
- Experience working with Eclipse
- Knowledge of spacecraft subsystems is an advantage
- Fluent in English

Working conditions

- 50% position
- Remote. Option to work from our office in Albuquerque, New Mexico.
- Start date: Q3 2024

Additional requirement - To conform to U.S. Government space technology export regulations, including the International Traffic in Arms Regulations (ITAR) you must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State.

Please send CV and motivation letter to: tal.azoulay@spinintech.net