Flight SW Architect

LMO SARL is a company based in Luxembourg developing innovative technologies for Vision-Based Space Situational Awareness (SSA) Systems to support future missions for In-Orbit servicing and dual-use applications (civil and defence). LMO SARL is involved in the design, development, verification, build, test, and operation of its space-borne systems and does so through collaboration with major research and industrial players in the field of Computer Vision including AI solutions.

Position Summary

The Flight SW architect will be responsible for the architecture of Flight SW developments at LMO SARL. This includes the definition of the components, interfaces, and testing and validation methods. The FSW architect will also be in charge of the development of application SW components compliant with the industry standards and practices. He/she will interact closely with the engineering team (SW developers, FPGA engineer, Computer Vision engineers, System engineers, etc.) and participate in defining the company's SW quality standards and processes.

Location

Technoport – Belval, Luxembourg

9, Avenue des Hauts-Fourneaux, L-4362, Esch-sur-Alzette

Capabilities we are looking for

- Masters degree (MSc) in Computer Science or equivalent professional experience
- Experience in developing flight SW for space equipment
- Proficient in UML, C, C++, Python
- Experience in Linux distributions customization for embedded applications
- Knowledge of space industry standards (ECSS, MISRA C/C++)
- Good knowledge of SW testing and validation tools and practices (CI/CD)
- Proficient with SW versioning systems (git)

Things that are a bonus, but not a must

- Experience with FPGAs
- Knowledge of data transfer interfaces
- Familiarity with space electronics (architectures, memories, processors, etc.)
- Experience with image processing applications

What we offer

- Work autonomy (low management overhead)
- International environment
- Flexible hours, hybrid work
- Fast career evolution
- Engagement with the Space and Machine Learning communities (Academia, Space Agencies, conferences, etc.)

Conditions

For this role the base salary expectation, depending on experience, is between 70,000 and 90,000 EUR per annum for a 40-hour work week. This includes 26 days annual leave.

Contact:

Please contact LMO via:

info@lmo.space

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