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## **TREALITY JOB DESCRIPTION: Software Engineer**

Are you looking for an exciting career in Defense and Aerospace? TREALITY® Simulation Visual Systems welcomes people who share our determination and high standards to join us in doing work that moves the world forward and saves lives. TREALITY® SVS has a diverse culture that celebrates autonomy and inspires leadership at every level of our organization.

TREALITY® SVS is looking for a Software Engineer to join our team and make a difference.

TREALITY's software tools are a key to the success of our large Visual Displays. Our Simcad Simulation Design software is the cornerstone of every new design and project, while the XDS-RACU Software suite is the central point of control, installation, and maintenance. The Software Engineer plays a critical role in the development, performance, stability, and support of our software functionalities.

As a part of the Software engineering team based in the US, you will be working on a mix of internal only tools and sellable products.

You will have a critical role in ensuring stability, performance, and support of these tools, relying on direct feedback of the internal user base, as well as proactively proposing improvements. You will also take part in new developments, including defining software architecture and developing system level algorithms by leveraging understanding of the key performance aspect of a visual display system.

### **Main accountabilities:**

1. Develop new software functionalities in C++ (setting up communication with hardware, specifically cameras, spectrometers). Perform the necessary tests and validate the functionality as soon as it is operational.
2. Troubleshoot: Deal with bug reports from the field. Provide and validate solutions.
3. Develop system algorithms, test, validate, and implement in the final product.
4. Proactively look for improvements of software functionalities.
5. Work closely with remote teams (Engineering, Deployment) and Product Management.
6. Up to 10% travel, including international
7. Must be US Person.

**Education:**

- Bachelor's Degree in Engineering, preferably Computer Science, Electronics, or Automation Software
- Master's degree a plus

**Experience:**

- 5+ years related engineering experience in software engineering or related experience
- Knowledge of C++, Qt Library and OpenCV preferred
- Knowledge of Python is a plus

**Competencies:**

- Advanced technical skills.
- Affinity and interest in image processing.
- Good written and oral communication skills.
- High level of intellectual affectivity and flexibility.
- Analytical skills.
- Problem solving skills.
- Initiative.

**Additional Local Responsibilities:**

US Person

Excellent oral and written communication skills.

Software Competencies:

Microsoft Office Suite

Microsoft Windows

Business Central, a plus

Dynamics 365, a plus