Front-End Software Developer

Contact person: [Katarina Sigerud](#)

Duration of the detachment : minimum 12 months, maximum 24 months

Role summary

As a Computing Technical Engineer or Computing Engineer in the Software for Real-time & Communication (SRC) section of the BE-CO group, you will join the team in charge of developing the FESA framework and supporting tools, participating in the development sprints performing the analysis, design, implementation and test of new features.

Introduction

The SRC section of the BE-CO group provides software frameworks and tools (FESA, SILECS), communication infrastructure (CMW/RBAC/JMS), generic classes (CGFES, OASIS) and the accelerator timing (sequencing and synchronization) infrastructure.

Functions

You will participate in the agile development process, organized in regular, two-week sprints:

- Take charge of some of the development tasks and carry the analysis, design, implementation, documentation, and validation of those tasks;

- Contribute actively to the quality assurance practices in the team, applying the agreed software quality standards, participate in code reviews, develop unit and integration tests and document the completed tasks;

- Give support to the end-users (principally equipment specialists):.

Experience and Competencies

The technical competencies required for this post are:

- Excellent knowledge in modern software techniques and OO principles;

- Good knowledge of the C++ language, the C++ Standard library and Boost;

- Good knowledge of Linux environment and compilation tool chain (GCC);

The following are considered as strong assets but not mandatory:

- Knowledge of the Java and/or Python languages.

The behavioral competencies required for this post are:

- Achieving results: Drives work/projects along and sees them through to their conclusion; is able to set priorities and plan tasks with results in mind.

- Solving problems: Addresses complex problems by breaking them down into manageable components.

- Communicating effectively: Is able to discuss effectively with collaborators from the hardware design and operations teams.

- Working in teams: Works well in groups and readily fits into a team; participates fully and takes an active role in team activities.

The language competencies required for this post are:

- French and English oral comprehension