Group: FAP-BC

Description of the Project:

You will join the Business Computing Group (BC), where 70+ talented international colleagues are responsible for delivering information systems for all of CERN's business functions.

The product management driven group is working for clients across the whole Organisation (HR, Finance, Planning, Safety, Security, Purchasing, Logistics, and Accelerator Operations). The type of products under the group's responsibility ranges from custom-made solutions for a few users to large and widely integrated systems with 15,000+ users. Hence, working for the BC group provides numerous perspectives for being in touch with different technologies and business areas.

Responsibilities

You will be part of one of our nine product development teams where you will collaborate with agile team members, share responsibilities, contribute to pair programming and knowledge sharing sessions, participate in code reviews and agile ceremonies. You will be assigned to one of our Communities of Practices where you can develop in one of the following domains:

1 **Applications and Services:**
   - Apply object-oriented programming principles and design patterns.
   - Develop software in Java and utilise related frameworks (e.g. Spring).
   - Knowledge of database modelling and SQL would be an advantage.

2 **Information, Operations and Reporting**: Data Warehouse, SQL/ETL, reporting, analytics.
   - Maintain ETL processes that drive the group's real-time Data Warehouse.
   - Build data marts and prepare data for fast ("performant") retrieval when needed for reporting purposes using SQL together with ETL tools.
   - Design database models, analyse and optimize query performance.
   - Knowledge of Pentaho (Data Integration) would be an advantage.

3 **User Interfaces:** Front-end development.
   - Implement, test and maintain of front-end code.
   - Use techniques like semantic and accessible HTML, CSS methodologies, CSS3 features, JavaScript (ES6+), and HTML5 APIs.
   - Knowledge of UX/UI design, Java development or frameworks like Polymer would be an advantage.

4 **Integrated ERP Solutions:** PL/SQL Business processes.
   - Answer questions on jobs lifecycle flow – explain on amounts, status, etc.
   - Manage permissions and data updates related to price lists, new activities, new services, budget codes handling.
   - Investigate problems of integration from external data sources (Excel) and to external approval engine.
   - Periodically run internal re-billing process.

5 **Data science and reporting:**
   - Execute data extractions in SQL and conduct analysis.
   - Dig into data to find and extract relevant information and to present it in an understandable way.
   - Get to understand business (HR, Recruitment, Training, etc.) processes and rules.
   - Knowledge of Pentaho (Data Integration) or Excel would be an advantage.

Profile: Master Degree or Bachelor in Computer Science or similar.

Starting Date: ASAP (Flexible)
Deadline: 19th May 2019