C++/C# Software Engineer – Mechelen Belgium

Position Overview / Purpose

Design, develop, document and test the Medical Device related software system and all related software tools for use in clinics, audiological centres and research centres, starting from the user requirements, and within time and budget as foreseen

Accountabilities

**Accountability 1:** Quality

* Utilize COMPANY Design Control Process
* Follow internal project procedures
* Document when necessary or appropriate
* High-quality design and development
* Develop and Perform unit tests, perform integration tests
* Participate in verification activities when necessary or appropriate
* Participate in technical reviews

**Accountability 2:** Team, people

* Good communication skills
* Ability to communicate openly and constructively with other team members, and knowledge sharing within the team and across teams
* Contributing to the team’s work and result

**Accountability 3:** Project

* Focus on the deliverables of the project: design and develop software for COMPANY applications.
* Status and problem reporting of the project
* Adhere to team schedule
* Participate in team meetings
* Implement product requirements
* Write and maintain technical documentation of the module or subproject
* Keep within deadline framework in cooperation with team leader.

**Accountability 4:** Personal development

* Keep well informed about latest technology developments in software engineering as well as in the audiological field of COMPANY System.
* Be aware of competitor activities
* Follow job specific training courses

Team Role (Individual contributor):

* To develop software within an Agile development framework based on best practices.
* To develop libraries in C++ with a managed C++/CLI wrapper for integration in.NET.
* To develop application code in C# in a .NET / WPF environment, that provides communication with software drivers and database access libraries.
* To design and develop a GUI providing a high-quality user experience
* Using the above to create software that focus on exceptional quality and user-centric design principles.
* Engage with the collaborative team culture, share ideas and experiences, and be open and available to the suggestions of others in the team.
* Collaborate with other departments to ensure a credible understanding of the user and business needs and translate this into exceptional software.
* To provide technical support and troubleshooting assistance to help resolve customer issues.
* Follow relevant quality procedures to deliver quality products and services and identify and support the implementation of continuous improvement.
* Contribute ideas on systems and process methods to improve deliverables

Key Incumbent requirements:

Minimum:

* Bachelor in software engineering or equivalent with 3 years of experience in a full lifecycle commercial software development environment
* Good knowledge of object oriented software development
* Good level of practical experience with C++. Experience with C++/CLI is a plus.
* Good level of practical experience with C# (WPF) and with developing Windows desktop client applications
* Experience in GUI designs providing a high-quality user experience
* Familiar with Agile development environments and scrum
* Familiar with hardware integration, electronics and measurement equipment (oscilloscopes,…) is a plus
* Good writing skills for purposes of design and code documentation.
* Ability to have a broad perspective on technical development
* Working knowledge of the English language

Ideal:

* Experience in software design and implementation for medical devices
* Strong interest in medical device development and associated quality regulations
* Familiarity with audio and speech signals and equipment

Development Value of this role:

* Software design expert and mentor
* Ability to act as a mentor to junior team members and assume a personal responsibility for the success of the team.

**For more information:**

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