



To apply, please send your application
and your resume or CV to
jobs@ingeniamc.com

Position: R&D Software Engineer

Location: Barcelona, Spain

Position Summary:

We are looking for a young, talented and highly motivated **Software Engineer** to join our team. He/She will be responsible of developing Motion Control Libraries and Graphical User Interfaces to support our new product line. Come join a team of deeply knowledgeable engineers that strive to build the most robust and reliable motion control systems using cutting edge development tools and practices.

The select engineer will be focused on collaborate in the design, implementation and verification of new INGENIA software platforms. The position requires really good software skills but also an understanding of the physics underlying in the motion control technology.

Responsibilities:

- Develop and maintain a set of Communication libraries
- Develop and maintain a set of Motion Control libraries, including advanced identification algorithms and tuning tools
- Develop and maintain Graphical User Interfaces to simplify the commissioning of the servo-drivers
- Make performance and optimization trade-offs to meet product requirements
- Write internal documentation for Ingenia software platforms (Architecture, Detailed Design, etc.).
- Work closely with Firmware team to improve Ingenia product's performance.
- Define, in conjunction with Quality Assurance team, the Test Plans for Ingenia software products.

Requirements:

- Education: Ms o PhD in Software Engineering or Telecommunication Engineering
- Minimum experience: 2+ years of relevant experience



Required skills

- Demonstrated strong analytical and problem-solving skills
- Fluent with Object-Oriented Design in C++ / Python
- Experience developing Graphical User Interface
- Experience in source code control for software development (i.e. Subversion, Git, etc)
- Experience in software testing procedures
- Knowledge of Agile development methodologies
- Capacity to analyze a problem from multiple perspectives and explore creative solutions
- Self-motivated with strong drive to achieve business objectives
- Positive, proactive and energetic attitude
- Fluent written and spoken English.
- High attention to detail with a desire for excellence

Desired skills

- Experience in QT
- Some experience in Arduino / Raspberry platforms
- Knowledge in Industrial Ethernet communication protocol (EtherCAT, EtherNet/IP, Profinet)
- Knowledge in CANopen communication protocol
- General Motion control knowledge (motors types, feedbacks, controls, etc.).

Other appreciated skills

- Excellent written, verbal and interpersonal communication skills
- Ability to understand and communicate complex ideas in both technical and user-friendly language.
- Able to prioritize and execute tasks in a high-pressure environment.
- Ability to work in a team-oriented, collaborative environment.
- New technologies enthusiast.

Contract

- Type of labor contract: Permanent
- Workday: Full-time