



THE BEST TEAM WINS

Danaher Corporation designs, manufactures and markets products and services with strong brand names, proprietary technologies and major market positions that improve the way we live and work. Building on the foundation provided by Danaher Business System and the company's core values, Danaher's associates are pursuing a focused strategy aimed at creating a Premier Global Enterprise.

Danaher's Motion Team is revolutionizing the way things move. Electronic motion control brings quantum leaps in flexibility, precision, efficiency and reliability to applications as diverse as robots, wheelchairs, lift trucks and packaging machines. Our breadth of products and brands are unmatched. Danaher Motion Group is a globally active company in one of the fastest growing industries – the automation industry. We bring together strong names in motion control including Kollmorgen, Pacific Scientific, Thomson, Superior Electric, Motion Engineering and many others.

R&D DEPARTMENT IN LAUSANNE (Switzerland)

Senior Embedded Software Engineer

POSITION SUMMARY:

The senior embedded software engineer will participate and lead design, development and maintenance of real time software on various RTOS environment and HW platforms (meaning portability across intel base CPU, DSP, PPC) for motion systems. The tasks include software design and architecture review, implementation, code review, integration of 3rd party software components, product integration and stabilization.

This person will also be in charge to help/coach the rest of the team on the technical aspects, architecture design and review, product integration and stabilization phases. Acting very closely with the current Team Leader and the Project Manager, these three persons should really drive and lead the team to make success...

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Design and develop software components and needed features in the product. Lead and participate in

- Functional specifications
- Architectural design or architectural adaptations
- Design review
- Software implementation and unit testing
- Software stabilization

SKILLS – MUST HAVE

- Excellent level in C++
- Strong experience in industrial software development (real time)
- Real time and embedded programming knowledge (different processors knowledge is a plus)
- Proficiency in multithreading environment and synchronization issues
- Good knowledge of communication protocols (such as TCP/IP) – able to learn and understand new protocols easily
- Good knowledge of object oriented SW design techniques (UML, design patterns)

SKILLS – NICE TO HAVE

- Motion knowledge (motors, drives, field buses, PLC, PLCopen, IO) would be highly appreciated
- EtherCAT knowledge is a very big plus
- Mathematical skills is a plus
- Knowledge of middleware technologies such as COM, ORB



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PROFILE

- HES or EPF in software engineering or equivalent degree in computer science,
- 5 to 10 years of software experience and 3 to 5 years of experience in similar position with responsibility in term of SW design and making development
- Synthetic mindset, global approach, ability to see the global context before digging into details
- Ability to enter and deal with complex subjects on effective manner
- Ability to make functional and technical specification
- Proficiency in debugging complex embedded environment
- Customer oriented - high sense of ease of use and feature usability for the end user
- Ability to coach, technically lead others team members (locally and remotely)
- Result oriented, proactive, persevering and collaborative
- Fluent in English and French (if possible), German is a plus.

WE OFFER

- A very interesting project on the heart of Danaher Motion strategy, with great technical challenges
- An interesting job on a product covering a large span of the automation technologies,
- A chance to develop your skills within a team of young, dynamic and competent people,
- An international environment with regular contacts with other R&D teams in USA and Germany,
- A very nice location in Lausanne and the opportunity to travel
- Salary based upon experience

CONTACTS:

Hervé QUEYRANNE – Program Manager

Phone: +41 21 631 33 81

Mobile: +41 79 661 23 46

Fax: +41 21 636 05 09

E-mail: herve.queyranne@kollmorgen.com

Web: www.kollmorgen.com