



Firmware Developer Veldhoven, the Netherlands

eyrise B.V. develops, manufactures, and sells dynamic glazing solutions based on Liquid Crystal (LC) glazing. LC glazing can change its transmission with the switch of a button, providing control over light and heat entering a building and bringing comfort and privacy to the users. Merck's switchable materials are the core of these switchable windows. eyrise B.V. provides dynamic glazing solutions to key users for applications in architecture worldwide.

We are looking for a Firmware Developer to join our development team.

Your role

As a Firmware Developer, you will be a member of the Control System team of eyrise®. The control system team develops the electronics that drive the eyrise® switchable glazing, facilitate an advanced user experience and allow integration into building management systems. As a Firmware Developer you will be programming microcontrollers for newly developed eyrise® hardware, like drivers, sensors and controllers, and integrate those components into the complete control system. You will provide solutions aligned with customers and market expectations. You will be part of the Research & Development organization of eyrise® and work closely together with Marketing & Sales, Supply Chain and external suppliers.

Your activities and responsibilities include:

- Programming microcontrollers (bare metal programming) for newly developed hardware
- Integration of hardware into eyrise® control system and building management systems
- Participate in the definition of User Requirements Specification and Technical Specification of software products
- Automated testing of new software
- Definition and implementation of quality assurance
- Documentation of design, code and tests
- Participate in system integration testing and product release testing
- Participation in system design partitioning, API design
- Technical interaction with external parties that are developing hardware or software components; define and execute acceptance tests
- Support Marketing & Sales in deployment of the new products

Who you are

You have a technical background (BSc or MSc) in software engineering, electrical engineering or a related field. You are hands-on and have experience with programming microcontrollers.

Furthermore, your skills and experience include:

- At least 2 years of experience in a relevant function
- Experience in programming microcontrollers (cortex m0, m3, m4)

- Experience in programming in C, C++, Python
- Experience with analog electronics
- Experience in embedded software, linux (from user perspective), web-based solutions and their languages and/or the setup of cloud services is of added value
- Familiarity with building management systems, smart home installations or building automation protocols is a preference
- Familiarity with SCRUM development process and familiarity with the use of Jira, GIT and/or doxygen is of added value
- Experience with Jenkins
- A flexible, pragmatic and curious mind-set
- Supportive attitude towards the team and partners
- Good communication skills and the ability to discuss technical topics with other departments and external partners
- Fluent in English

What we offer

eyrise B.V. is part of Merck KGaA, Darmstadt. Merck's portfolio extends from liquid crystals for displays and pigments for automotive coatings to cancer treatments.

We offer a modern and international working environment to unleash your innovative potential in diverse teams. Next to this we offer a competing remuneration and possible extension.

An assessment and business case can be part of the procedure.

Interested? Please apply by sending your CV and application letter via floor.van-poppel@external.merckgroup.com

For questions about the job, please contact Floor van Poppel, mob: +31 6 30 99 93 68 or email floor.van-poppel@external.merckgroup.com