Profile Electronic Hardware Engineer

Company profile

LioniX International is a leading global provider of customized microsystem solutions, in particular integrated photonics-based, in scalable production volumes. We provide customized solutions for OEM's and system Integrators, by vertical integration, from design to fully assembled modules. We continuously maintain our technology leadership secured in a strong IP position. Currently LioniX International employs nearly 50 highly educated people, and its management has multiple decades of combined experience in micro/nano system technology.

Further information is on our website www.lioniX-international.com

Job description

As Electronic Hardware Engineer you are responsible for the entire electronic development cycle within a project, including (embedded) software.
- Design electronic circuits for both Photonic IC based- products as well as production support and test systems
- Selection of electronic components
- Create PCB layouts
- Functional testing of electronic circuits
- Write the firmware for microcontroller-based circuits
- Write PC based (Windows) software to control microcontroller-based circuits
- Planning of lead time
- Coordinate with the optical designers to obtain the specifications for the electronics that will support their designs
- Coordinate with the mechanical designers the combination of electronic and mechanical hardware (e.g. in modules and enclosures)

Professional requirements:
- MSc. Degree in electrical engineering with a focus on electronic design (preferably some years of professional experience)
- PCB Layout experience with digital as well as RF circuits
- Basic understanding of microwaves, (Transmission lines, connector types, familiar with a 50 ohm environment)
- Basic understanding of signal integrity
- Embedded programming experience (Assembler, C, C++)
- Capable to work independently

- Able to work from an incomplete set of specifications
- Well organized
- Secure in self-review of electronic designs and layouts
- Willing to learn and absorb a lot of knowledge
- Autonomous and curious

Tools/ Development environment
- Eagle, Altium designer, LTSpice
- Visual Studio, Labview
- AVR Studio

Languages
- Fluency in English
- Dutch or willing to learn to speak Dutch

What LioniX International offers you

Working at LioniX International means you will be working in a dynamic and inspiring environment. As a technology driven company our teams are always curious and looking for challenges and possibilities. Your team expects you to work as a team player, but individually you will have many possibilities for self-deployment. This is stimulated actively since it is of great importance for LioniX International that we invest in a long term relationship between us and you.

As a global leader in microsystem technology, your working environment will be both Dutch and international. Your colleagues and the projects you are working on both have a diverse nationality.

When joining the LioniX family, you will experience that we also create many opportunities for non-work related matters, such as Friday afternoon celebrations and days-out with the company. Last but not least, LioniX International has good terms of employment including an excellent pension and insurance plan both for you and your family.

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