



Software/Firmware Engineer (f/m)

We produce high tech x-ray cameras to advance science

Our next generation x-ray cameras enable cutting edge science and make a difference. Help us maintain and improve them, so their full potential can be used.

The company

X-Spectrum GmbH is a spin off company of DESY. We provide cutting-edge detectors for X-ray experiments at synchrotrons and beyond. We provide the LAMBDA system, a dedicated X-ray camera that is unique in its capabilities.

- We work with scientists from many major research centers and synchrotrons
- We are a truly international team embedded in one of the world's leading research centers

The position

We are looking for a Software/Firmware Engineer to strengthen our technical team. Your responsibilities would include:

- Play a major role in bringing our current software architecture to the next level (C++, VHDL)
- Create solutions that run within the resource-constraints of our existing modular cameras as well as for even faster upcoming cameras, that are developed together with the DESY research-center
- Work closely together with DESY developers
- Develop highly responsive, fast code, that handles data rates beyond 200 GBit/s
- Maintain and improve our software reliability by having regular code-reviews and improved test coverage

Your profile

- A technical background in firmware and software development, preferably BS or MS in Computer Science, Computer Engineering, Electrical Engineering or equivalent experience
- Give reliable effort-estimates, you can adhere to
- Experience with C/C++, Linux and VHDL
- Experience with firmware development for high speed IO and networking (10 Gigabit Ethernet)
- Experience with GIT or a comparable versioning system

The location

X-Spectrum is located on the campus of the DESY research center in the beautiful city of Hamburg, Germany

Why should I apply?

- Bring in your ideas for our growing system
- Be part of a growing startup with excellent advancement opportunities
- Creative leeway in organizing your work

The fine print

The start date of the position is 1.October 2017.

We are looking forward to receiving your written application to jobs@x-spectrum.de

Deadline for applications: **15.08.2017**

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