



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:

- Debug, maintain and implement updates to existing firmware across all LAMBDA cameras
- Debug maintain and upgrade existing control software for the cameras
- Develop, together with the X-spectrum team and DESY, a TANGO based control framework to manage large multi-module cameras that produce data at rates exceeding 150 GBit/s

Your profile

- A technical background in firmware and software development, preferably BS or MS in Computer Science, Computer Engineering, Electrical Engineering or equivalent experience
- Commitment to maintaining project schedules and delivering tasks on time
- Ability to work collaboratively with a team
- Experience with C/C++, Linux and VHDL
- Experience with firmware development for high speed IO and networking (10 Gigabit Ethernet)
- Experience with Tango control framework is helpful, but not required

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?

- Be part of a growing startup with excellent advancement opportunities
- Creative leeway in organizing your work
- Be part of the international research community

The fine print

The start date of the position is 1.October 2017. It will initially be limited to 1 year, with the option of a permanent position at the end of the limited period.

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

Deadline for applications: **15.08.2017**

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