

# FPGA Design Engineer (100% remote) - Spartronix

## **WE ARE TECHNOLOGY EXPERTS. WE CAN MAKE IT REAL!**

We are looking for a **FPGA Design Engineer** to join our team. We are seeking a **senior level developer** who has the skill, desire and passion to design and develop innovative ideas in the FPGA & AI/ML domain that will solve our customer's challenges.

If you're excited about hard problems at the intersection of AI, machine learning, search engines, and databases, we would love to meet you! We are looking for talented and friendly developers who dare to make an impact.

## **Essential**

### **What we need from you:**

- Demonstrated, successful experience working with Zynq UltraScale+ MPSoC devices
- Demonstrable experience of coding in C++11 or newer, multi-threading, parallel-processing, code-optimisation, and low-level debugging.
- Detailed FPGA architecture understanding
- Experience with embedded Linux, especially when used in concert with FPGAs.
- Xilinx FPGAs and Vivado / Vivado HLS / SDSoc / Vitis tools
- Experience in high level synthesis FPGA coding
- Experience with any machine-learning frameworks (TensorFlow, Caffe, Keras).
- Basic classic CV algorithms

## **Would Be An Advantage**

- Experience with Xilinx DPU
- Experience with multiple camera module applications
- Experience with 3D and 2D tracking
- Experience with deep learning facial recognition systems

We value above all else a positive energetic attitude towards solving big compute and scalable system challenges.

## **About The Candidate**

- A good understanding of algorithms, software architecture and design
- An ability to collaborate within an Agile team and communicate effectively
- Good problem solving and analysis skills
- Must be a great teammate: communicative person who works well as individual (doesn't need hand holding) as well as part of a team. Keen to learn – happy to ask questions, eager to push the boundaries – bring their own ideas, delivery focused who also follow requirements.
- Keen to take ownership, attention to detail and make a difference

- Ability to respond under a dynamic work environment with quickly changing priorities

### **Benefits**

- 100% remote work
- 22 days paid holiday + public holidays
- Continuous training & development including 24/7 access to an online training platform
- Reward & recognition scheme
- Up to 4 days paid time off for charity/voluntary work

Spartronix OÜ is committed to offering an inclusive & diverse working environment. Therefore we welcome applicants from all sections of the community.

**HR email:** [human.resources@spartronix.eu](mailto:human.resources@spartronix.eu)