Job Title:

Embedded Systems Developer with focus DSP & signal processing

Job Function:

The successful candidates will become members of our engineering team and be responsible for the following tasks:

- Implementation, validation & verification of high performance signal processing chains in VHDL on Xilinx FPGA's and SOC's
- Integration and creation of packaged IP blocks for Xilinx FPGA's
- Creation of technical documentation in English language
- Coordination/Interaction with engineering teams of partners and clients

Required Skills /Experience:

- Experience with implementing signal processing designs in FPGA
- Robust knowledge of complex modulation methods, FFT, decimation, filtering, coherent multi-channel sampling, phased antenna arrays, beam steering, pre distortion
- Strong knowledge of VHDL & clear understanding of synchronous, pipelined design techniques
- Knowledge of ARM processing architecture, programming experience in "Bare metal" and Linux environments
- Good understanding of Xilinx FPGA primitives and device architecture
- Experience with multi gigabit data links (PCIe, SDI, proprietary)
- Ability to de-bug complex circuits using high-end test equipment (Spectrum analyzer, digital serial-analyzer etc.) and embedded virtual instruments.
- Quick learner, self-motivated, able to work independently and able to handle multiple tasks with high efficiency
- Fluency in English and/or German with proficiency in English desired. Written English essential. Further language skills a plus.

About Knowledge Resources GmbH:

We are a small engineering services & FPGA Products Company that specializes in high-end FPGA centric solutions in signal processing, image processing and HPC. Our State-of-the-art facility and diverse, global client base provide a stimulating environment for curious and driven engineers.

Who should apply:

In addition to experienced engineers, we also encourage recent graduates that cannot yet show experience in all of the required areas to apply.

Submit your application as PDF to: office@knowres.ch

NO agencies, NO paper applications accepted, we can only consider applications from Swiss or EU citizens

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