

**Job Title:**

Embedded Systems Developer M/F 2 open positions

**Job Function:**

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

- Implementation, validation & verification of functions in VHDL on Xilinx FPGA's and SOC's
- Integration and creation of packaged IP blocks for Xilinx FPGA's
- Development of software for embedded processing cores and microcontrollers
- Creation of technical documentation in English language
- Definition and design of test environments to aid the bring-up and validation of complex FPGA and SoC based module designs
- Coordination/Interaction with engineering teams of partners and clients

**Required Skills /Experience:**

- 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 (logic 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 German and/or English with proficiency in German desired. Written English essential. Further language skills a plus.

**About Knowledge Resources GmbH:**

We are a small engineering services company that specializes in high-end FPGA centric solutions in image processing, HPC and Robotics. 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.

We can only consider applications of residents of Switzerland and citizens of EU member states.

Submit your application as PDF to: [office@knowres.ch](mailto:office@knowres.ch) NO agencies, NO paper applications accepted