



Vacancy notice – Digital design engineer

Are you interested in microprocessor architecture and design? We are looking for architects and design engineers to join our team that develop future generation of RISC-V and SPARC microprocessors and peripheral IP cores.

Cobham Gaisler

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About the company:

Cobham Gaisler, a subsidiary of Cobham plc, is based in central Gothenburg, Sweden, and has since the start in 2001 grown to include 30 employees. The company is a world leader in processors for aerospace applications and the main products are the LEON line of processors and the GRLIB IP-library used for System-on-Chip (SoC) solutions. In addition, support services, development tools and software targeting the LEON processor are developed and provided by Cobham Gaisler. Our customers are found across the globe, mainly within the space industry but also in consumer electronics. We offer a creative environment where you can influence your work and have the possibility to work within several projects ranging from computer architecture, IP core development, SoC design to ASIC synthesis and test. Since all hardware development takes place in-house at Cobham Gaisler, a unique expertise within SoC and microprocessor design is at hand.

Job description:

As a digital design engineer at Cobham Gaisler you will have the chance to participate in our processor development based on the SPARC and RISC-V architectures. You will also have the opportunity to be responsible for parts or the complete development process of system-on-chip designs based on our IP cores, from design and verification through implementation in the target technology to prototype validation. The development is mainly performed using VHDL and targets ASIC as well as FPGA. As part of our hardware team, you will also be involved in the development and maintenance of our IP library that supports all major EDA tools and will work with programmable logic devices from Microsemi, Xilinx, and Altera as well as front-end ASIC design and verification. Our hardware portfolio consists of everything from bus infrastructure, system peripherals, and communication controllers up to microprocessors. Cobham Gaisler is a customer-oriented company with fast response to market demands. You will also take part in international development projects where short travels may be required. The position is based at our office in central Gothenburg, Sweden.

Qualifications:

Engineering education; 2-5 years of experience preferred, with previous experience with FPGA and/or ASIC development. We require expertise within VHDL, experience with Verilog and C programming. Excellent written and verbal communication skills in English and preferably also in Swedish, together with a strong general interest in new technologies and an analytical mindset. Applicants need to have prior experience in some of the following areas:

- FPGA tools from Altera, Microsemi and Xilinx.
- ASIC design using Synopsys and Cadence synthesis tools, DFT and PG.
- Communication interfaces such as SpaceFibre, RapidIO, SpaceWire, Ethernet, PCI, PCIe, MIL-STD-1553B.
- Computer architecture, microprocessor design, RISC-V, SPARC.
- ASIC/FPGA design for aerospace applications.
- ASIC/FPGA verification in VHDL and/or SystemVerilog

Location:

Gothenburg, Sweden

Application:

Send your CV and cover letter to career@gaisler.com with subject "HW-9:" and your full name. Applications are evaluated continuously.