

• *Digital IC Hardware Design Engineers (F/M)*

Company overview :

Cortus is a French company specializing in semiconductors and embedded systems, headquarters in Mauguio, in the Montpellier region, with locations in Meyreuil (France), Greece and Italy.

Cortus provides many embedded system solutions including HW, SW, processors (including RISC-V ISA based processors), digital and analog IP, prototyping and verification solutions in various fields such as SIM cards, credit cards, automotive sensors, industrial controllers, smart meters, wireless and IoT devices.

Cores from Cortus are used in products by more than 50 companies, and billions of devices feature Cortus processors and IP.

As one of the first 12 Platinum founders of the RISC-V foundation and winner of the national recovery plan "France relance" our ambition is to create "made in France" chips for various markets such as automotive, IoT/NB-IoT 5G, High Performance Computing, AI, etc.

Description of the role :

To strengthen our digital hardware team in Cortus, we are looking for various "**Senior digital IC hardware engineers**" (F/H), to our sites of Meyreuil (13) and Mauguio (34).

Reporting to the Technical Director, you will integrate the existing digital team and work closely with the system architects and the mixed signal team.

You will be involved in :

- Participate in the development of architectures of embedded systems with processor for the design of SoC
- Develop modules (intellectual properties) following the company's methodologies
- Work on the entire design : specification, design, simulation, synthesis and testing

As part of the development on microprocessors, you will also be required to work on embedded software applications, mainly for the purposes of benchmarks, tests and demonstrators.

You will be required to work on technologies such as High Performance Computing (HPC), RISC-V or AI.

The ideal applicants should be familiar with working in a multicultural environment and with teams spread over several sites.

Minimum requirements :

- Engineering masters degree in Electronics/Telecommunications/Computer sciences
- Proven 5+ years of experience as digital designer
- Proficiency to design using System Verilog or VHDL
- Experience with RTL simulations
- Experience with development tools for RTL synthesis and debug
- Knowledge of Design For Testability (DFT) techniques;

- Basic Experiences in Digital Signal Processing
- Knowledge of architectures with microprocessor
- Knowledge of FPGA and ASIC
- English language written and spoken

Highly preferred skills (plus) :

- Experience in UVM process and Coverage-Driven Constrained Random functional verification
- Matlab
- Software development using C/C++;
- Script programming language (e.g. Python)

Job type and primary locations :

- Primary locations:
Meyreuil (13), France
Mauguio (34), France
- Full time and permanent
- Remote Working up to 2 days per week (after integration period)
- Restaurant vouchers (SWILE)
- Flexible hours
- Referral bonus
- Holiday bonus

Send your application to : hr@cortus.com