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Your Needs Translated into Silicon

SoC Design Engineer Digital

Essensium is looking for an experienced engineer with digital ASIC design and integration expertise to strengthen its turnkey System on Chip (SoC) / System in package (SIP) activity. The core of this activity is the design of SoC systems integrating complex analog (high and low frequency) and digital circuits, together with both hardware and software.

The SoC Engineer Digital has the following responsibilities:

- During the system architecture design phase, he interacting with the System Architect and proposes different alternative architectures.
- Based on the block-level specification, he specifies the detailed internal functionality, state machines and interfaces for the digital modules in an SoC design; this serves as a hand-over document towards our design service suppliers.
- He sets up and maintains the design methodology for HDL coding, integration and synthesis to ensure a streamlined cooperation with suppliers of design services.
- During the digital design phase, he acts as the technical liaison, all the way from spec release to the integration and verification of the different modules; this includes ensuring technical consistency with the System Engineering team, the design service suppliers, the verification team and the Software team.
- During the backend design, he interfaces with the backend designers to address floor planning, timing closure, clock distribution, design for test features, ATE and ECOs.
- Can help out when needed, also if it entails details in the HDL code.

Suggested skills and experience:

- Good background in the specification, architecture, micro-architecture, implementation, verification and synthesis of complex digital ASICs.
- Hands-on experience with HDL coding, functional verification, design for test, timing closure and related tools is essential.
- Familiarity with C/C++, embedded software and FPGA prototyping are desirable.
- Domain knowledge in either multimedia or telecommunication systems is a plus.
- Result-oriented attitude with excellent communication and team building skills.

Interested ?

Send your CV and application -> info@essensium.com or call +32-16-286500

