



Senior Staff Engineer FPGA/Emulation

Job description

In your new role you will:

- Work with design team and FPGA/EMULATION platform customers to define the FPGA/EMULATION bit file requirements and limitations;
- Work with IP team to define the hard IP FPGA/EMU LATION model;
- Documents and execute the bit file development plan;
- Communication with product team about any issues happened during execute the bit file development plan;
- Provide the hardware requirements to the hardware engineer from FPGA /EMULATION engineer view;
- Work on porting the full chip RTL to FPGA/EMULATION RTL, Replace the hard IP of the full chip with FPGA/EMULATION resource;
- Design test bench to check if the FPGA/EMULATION RTL is functionality as expected.;
- Execute the FPGA/EMULATION synthesis, P/R and timing clean, provide the bit file to FPGA/EMULATION platform customers;
- Work with design team and Verification to debug and solve the issues feedback from FPGA/EMULATION platform customers;
- As a key role of FPGA/EMULATION team, contribute to improve the productivity of the team.

Profile

You are best equipped for this task if you have:

- 5+ years with Master's Degree or 8+ years with Bachelor Degree in EE/CE;
- Familiar with Verilog based IP design, experience of delivering RTL based IP / full chip design;
- Familiar with logic verification tools and methodology. Experience of writing test benches and test cases to test IP and full chip;
- Familiar with SOC prototyping with FPGA/EMULATION;
- Familiar with FPGA/EMULATION development tools and Flow;
- Familiar with ARM core such as CM0,CM4,CM7 or like is a plus;
- Familiar with AXI/AHB bus is a plus;
- Familiar with common hardware test instruments such as oscilloscope, logical analyzer, multi-meter, power supply etc;
- Proficiency in Perl, Tcl, Shell, assembly or C languages;

At a glance

Location: **Shanghai, (China)**
Job ID: **360562**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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- Very good English skills;
- Takes initiative and sets high goals;
- Smart and confident;
- Self-starter & ability to work in a team environment as an individual contributor;
- Track record of planning and delivering own work completely and on time

Benefits

- **Shanghai, :** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Medical coverage; On-site social counselling and works doctor, in Wuxi only.; Provision of health tips, health knowledge sharing, annual medical check; Employees in Shanghai are entitled to use a gym located close to the office for free; On-site canteen, in Wuxi only.; Private insurance offers in some sites.; Wage payment in case of sick leave; Corporate pension benefits in some sites.

Why Us

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Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

