

SoC Power Engineer

Job Description

SOC Engineer, with focus on Power Analysis. In this position you will be working as part of a team to define, implement and analyze state-of-the-art silicon designs for power considerations at the circuit, block and top level. The ideal candidate is an experienced SOC Engineer with hands on working knowledge of power specifications, power design, analysis and optimization for low power SOC designs.

Key Qualifications

- Good understanding of concepts of power consumption, power estimation and low power design
- Good understanding of power considerations at architectural, block and circuit levels
- Experience in low power ASIC design implementation, power simulation and analysis flow, and ASIC physical design methodology
- Familiarity with power estimation tools, such as PrimeTime-PX, PowerArtist or PowerPro
- Experience in power modeling methodologies and low power optimization
- Familiarity with Power Integrity and recognizing DC and AC losses
- Familiarity with UPF and/or CPF power intent formats
- Familiarity with multi-voltage static checkers (MVRC, CLP, VSILP/VCLP)

Additional Qualifications

- Silicon power measurement is a plus
- Experience with Deep-submicron SoC technologies and flows is a plus
- Previous development of a large SOC
- RTL coding (Verilog or VHDL)
- Experience with ASIC P&R tools such as ICC or Silicon Encounter

The ideal candidate should exhibit behavioral traits that indicate:

- Comfortable and confident interacting with customers
- Excellent written and verbal communication skills
- Ability to support occasional travel
- Strong problem solving capability and collaborative mindset.
- As part of a growing, dynamic IP team, the candidate must be successful working with a small team and manage multiple tasks and changing requirements, in an innovative environment.

Education and Experience

- Bachelors degree in EE with 7+ years of work experience or Master's degree in EE with 5+ years' work experience

For consideration, please send your resume to careers@firstpasseng.com