



Example of Design Engineer Staff Job Description

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Our company is looking to fill the role of design engineer staff. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for design engineer staff

- Design of high speed IC circuits and layout
- Responsibility for delivering high performance circuit block designs
- Assessing block design feasibility and schedule
- Preparing block technical reviews and block documentation
- Effective working relationships developed and maintained at all times with senior designers and engineers
- Evaluate, build and deploy the most efficient designs techniques for delivering increasingly complex SoC/IP digital designs and architecture within aggressive, market-driven schedules
- Own complete Front end design of an IP/SoC – taking it from Concept through to silicon level 100% Spec Compliant mature design – including Design/Verification and Pre-Si Validation cycle
- Ensure that SMART metrics are established and implemented, to measure the Design processes efficiency and achievement of goals
- Plans, oversees, and executes the Systems Design Engineering activities in the project, including initiation, coordination, synchronization, review and integration of the technical work performed within various Engineering disciplines
- Leads cross-discipline feasibility and trade off studies

Qualifications for design engineer staff

- Lead the development effort and Carry out design work of critical function

- Must be a highly organized, detail-oriented self-starter, who can deliver independently in a team environment
- End-to-End design cycle including Micro architecture, design implementation in RTL followed by timing closure of complex designs such as HBM and or DDR memory controllers
- Documentation and communication as a senior member of the team is key requirement
- Also, required is the skills to interact with cross functional teams from Functional Verification to Physical Design towards tape-out goals