
IC Design Engineer Resume

Job Objective

IC Design Engineer seeking a position in which my experiences and training can help to increase the value of the organization.

Summary of Qualifications:

- Admirable experience working as a IC Design Engineer
- Expertise in the Digital IC stimulators, VHDL RTL design and simulation
- Huge knowledge of the analog and mixed signal IC design
- Operational knowledge of ASIC design flow, analog and digital devices
- Ability to innovate and make IC design trade-offs for balancing power
- Exceptional ability to work with semiconductor and high level memory
- Ability to design the stand cell library
- Familiarity with cadence designs, Verilog, VHDL PERL, TCL, MATLAB and C/C++
- Proficient in working with the CMOS memory devices and the support circuits

Work Experience:

IC Design Engineer, August 2005 – Present
Aeroflex Colorado Springs, Hanford, CA

- Designed the IC circuit designs and worked in accordance to the schematics of the transistor level.
- Developed the designs for the tests as well as the manufacturing of the process and equipments.
- Prepared the analog circuits and verified simulations on the present circuitry.
- Monitored the analog designs and modified them and incorporated the designs.
- Coordinated with the physical Design Engineers and planned the floor and layout of the custom CMOS circuitry.
- Assisted the engineers and resolved all DRC and LVS issues within the designed circuitry.
- Documented the IC circuit specifications.

IC Design Engineer, May 2000 – July 2005
alpha & omega semiconductor, Hanford, CA

- Coordinated with the market engineers and prepared the product definitions.
- Developed and designed transistor level analog and mixed signal CMOS.
- Verified the design of the block level and top level equipments and processes.
- Implemented the layout as designed by the engineers.
- Assisted the qualification engineer and ensured that the product was released in the market easily.

Education:

B.S in Mechanical Engineering, Saint Catharine College, Saint Catharine, KY
M.S in Mechanical Engineering, Reid State Technical College, Evergreen, AL

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