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# Example of Analog Designer Job Description

Our growing company is looking to fill the role of analog designer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for analog designer

* Design activities including research, definition
* Design, simulation, layout verification, characterization, and release to production of integrated circuits
* Supporting product definition teams to develop product requirements and specifications Analyzing and developing chip architectures to meet required compliance and performance
* Creating transistor level analog circuit designs Verifying designs using circuit-level and behavioral level simulators
* Supervising circuit layout Authoring system architecture and circuit documentation
* Develop analog IP blocks such as PLL that will be embedded in Microsemi designs
* Be expected to be involved in all aspects of the analog design process from schematic design to validation of circuits in the lab
* Test and troubleshoot EDU filter boards
* Respin tested EDU filter boards for flight use
* Generate test procedures and test reports

## Qualifications for analog designer

* Ability to improve design development and testing efficiency through scripting using Perl/Python
* MSEE or PhD degree in Electrical Engineering.- 6+ years industrial experience in analog mixed-signal or high-speed design.- Expert level in analog/mixed signal circuit design and design flow, with emphasis on quality and execution- Knowledge of wireline communication systems is preferred
* Strong communication and inter-personal skills, developing/driving concepts and ideas with other team members and across other parts of a large organization (or other companies)
* Continuous-Time Filters
* Low-noise amplifiers (LNAs)
* Experience in module design preferred (Experience in PCB board design desirable)