

Product Application Engineer

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Company: Analog Devices

Location: Thailand

Category: other-general

Job Description

Analog Devices (NASDAQ: ADI) is a world leader in the design, manufacture, and marketing of a broad portfolio of high-performance analog, mixed-signal, and digital signal process (DSP) integrated circuits (ICs) used in virtually all types of electronic equipment, dedicated to solve the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital worlds through devices technologies that sense, measure, power, control and connect.

ADI is looking for strongly motivated peoples, ready to improve their knowledge of technologic product. Peoples that are looking forward to being part of development of new devices, showing interest and active cooperation from early stage of new product definition to final customer support through promotional and customer training phases.

Position Overview: Candidates will work with a team of engineers to define and develop new products for Cloud and Data Center Market. The job requires solid analog and digital power systems design with commensurate laboratory skills. Additional job responsibilities include writing circuit documentation and application notes. Clear and concise communications skills are also essential. This is an excellent opportunity to work with some of the best circuit designers in the industry armed with the tools, knowledge, and technologies of the leader in power management.

More specifically, the candidate needs to contribute in the following areas:

New Product Development
Verify the architecture and power solution through behavioral simulations.
Design and debug of new evaluation boards for internal silicon verification
Perform

dedicated functional test on new products in development to identify bugs

and limitations

Development of Reference Designs and CollateralsGenerate and validate reference designs for system verification.Develop design collaterals to assist customers with designs, such as datasheets, evaluation kit manuals application notes, layout guidelines and simulation models.Performing verification and testing of evaluation kits, and generating evaluation reports for customers

Team supportSupport FAEs and remote Application TeamsSupport Troubleshooting of difficult or unusual technical problemsSuggest product and application improvements.

Education

BSEE (or equivalent)**required.**

PreferredMSEE (or equivalent).

Required Qualifications

Clear and concise communication skills

Digital and software design skills

Understanding of circuit simulation and/or software development tools and techniques

Experience debugging circuits.

Ability to self-manage and meet deadlines.

Can work both independently and with a cross-functional team.

Strong knowledge of: Power conversions topology. Control architecture, stability issue and protection strategy

High efficiency power converter circuit design. Schematic, layout main requirements, simulation model

Software required knowledge.

Python language

: Experience with dedicated library used for data analysis and visualization

(Pandas, NumPy, Matplotlib, Jupiter)

C/C++ Object oriented programming languages

Required Lab equipment user experience.

Use of laboratory equipment's such as: oscilloscopes, wave generators, power supply, electronic load, DAC.

Familiarity with test automation

Job Req Type: Experienced Required Travel: Yes, 10% of the time Shift Type: 1st Shift/Days

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