



Senior Analog IC Design Engineer

About nSilitation

Based in Belgium (Louvain-la-neuve), nSilitation is a leading analog and mixed-signal ASIC/SoC and semiconductor IP provider.

nSilitation specializes in the development of high-speed and/or low power RF, analog and mixed-signal devices with specific enhancements related to safety, yield and reliability. nSilitation IC and IP design services offer top quality design, customization and support dedicated to the needs and specifications of customers. The design team of nSilitation supports clients through the whole integration and product validation phase of the IC or IP. nSilitation serves several customers active in application areas such like automotive, medical, aerospace, wireline, wireless communications and industrial.

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As a member of our engineering team, you will contribute to the design and development of analog and mixed-signal IPs, ICs and SoCs, from product definition to prototyping. You will verify compatibility between all subsystems, make sure that the design is correct, power and cost efficient. Your responsibilities will include:

- working with the marketing and the CTO teams to define new products and their architecture
- carrying out the architectural design of analog and mixed-mode ICs and SoCs
- elaboration and maintenance of the functional and design specifications of the circuits, including test strategies
- IC design and simulation, at both the system and circuit levels
- block and full chip layout follow-up and review, including contribution to difficult layout
- development of IC validation tests
- debugging prototype silicon and interaction with test engineers to characterize the products
- follow-up of the IC design team allocated to your project

Desired profile

As a Senior Analog IC Design Engineer:

- you hold a Masters or PhD degree in Electrical Engineering or equivalent
- you have at least five years of analog IC design experience
- you have a proven experience of several ASICs/SoCs successfully taped-out and being first-time right
- you are familiar with UNIX and Linux



- you have experience with configuring and using one or more ASIC design tools
- you can manipulate scripting and programming easily
- you have autonomous, precise and constructive ways to solve complex technical problems
- in a dynamic working environment, you demonstrate good social skills and team spirit
- you are fluent in English

The following qualifications and experience will be considered valuable:

- A/D and D/A converter architectures
- complex operational amplifiers
- advanced PLLs, DLLs and CDRs
- analog design in high-voltage (40 V, 100 V, ...) or floating supply domain
- design of ESD protection
- analog design in sub-micron processes (65, 40, 28 and 22 nm, ...)
- publication or patent search and review
- active knowledge of another language (French, Dutch, German, Italian, ...)

What we offer

nSilitation is a fast growing start-up company offering a pleasant work environment and a wide range of high-tech design projects, allowing you to develop your technical and management skills. You will be directly integrated into our team of highly experienced engineers.

nSilitation offers competitive wage packages with features such as:

- salary and bonus
- company-sponsored benefits
- company car or lodging costs¹
- homeworking flexibility
- ...

Your application will be handled with the utmost care and discretion. Please send your application letter and complete CV by e-mail to jobs@nsilitation.com

¹Subject to conditions