

Digital Signal Processing IC Designer



Based in Grenoble (FR) and Milan (IT), **iNGage** is a start-up company which is bringing to market **disruptive** high-performance **MEMS inertial sensors** (accelerometers, gyros, IMUs) and **pressure sensors** for GPS-free navigation in **autonomous mobilities**.

With a patented **breakthrough technology** developed at CEA-Leti in partnership with PoliMi, we push the limits of **high-performance MEMS navigation sensors** to make them accessible to high-volume applications such as industrial robotics and automotive.

Responsibilities

As a **Digital Signal Processing IC Designer**, you will play a key role in the definition, design and development of **advanced signal processing chains for integrated circuits**. Your responsibilities will include:

- Developing and validating digital signal processing chains, digital calibration and compensation loops for **next-gen IMUs**;
- Contributing to the **ASIC digital implementation flow**, including RTL design, synthesis and physical integration;
- Collaborating with **cross-functional** teams (internal and external design house) working on analog mixed-signal design, system architecture and silicon validation.

Key skills

- Design, modeling and implementation of DSP chains for IC systems (using **Simulink, Matlab, Python, SystemVerilog**);
- Deep understanding of **DSP building blocks** (discrete-time filters, multirate processing and sample rate conversion architectures);
- Familiarity with **Cadence tools** (or equivalent) for digital ASIC design and implementation;
- Knowledge of MEMS IMUs architectures is a strong plus.

Why Join Us

- Be part of an **ambitious sensor startup** with cutting-edge technology
- Work on major tech challenges with **high industrial impact**
- Thrive in a high level **international** dynamic R&D environment
- Flexible Work environment

ASIC
Sensors
IMU
DSP
Electronics

Job position

Permanent Position

Start: June 2026

Milan (IT)



Candidate's profile

- ▶ **PhD** with a good knowledge of **electronics, digital systems and sensors**
- ▶ Or **MsC** with min. 4 years experience in **digital signal processing for IC**.
- ▶ **Fluent English** required; **French or Italian** is a plus



Ready to push the limits of MEMS navigation sensors?

Send your application to