

Embedded software development engineer M/F

Introduction

Recognized worldwide, Syntony GNSS is a Toulouse-based company with the FrenchTech label, focusing on technological innovation in the GNSS field.

Specialized in radionavigation and embedded systems, we are world leaders in our field.

Our simulators, receivers and indoor/outdoor location systems answer to the growing needs of the aeronautics and space industries, as well as those of the public transport sector, railways and mining or even the IoT field.

With a portfolio of prestigious customers (Airbus, OneWeb, Airbus Safran Launchers, Thales Alenia Space, Honeywell, Rockwell, the Stockholm, New York and Toronto subways, and many others), we are constantly innovating our solutions to anticipate their future needs, strengthen our leadership, and conquer new markets.

The heart of our activity is articulated around 3 fundamental pillars:

- Innovation: by conceiving tomorrow's products and tools that are matching with our customers' real needs
- Dynamism: focus on our strengths and talents to deliver high quality products and solutions
- Open-mindedness: we maintain a respectful relationship with our customers, partners, and employees, and promote Humanism and the richness of multiculturalism.

Context of the mission

SYNTONY develops GNSS positioning products and location solutions for confined environments.

We keep on innovating:

- Softspot: Innovative SDR multi-frequency GNSS receiver for applications requiring top-level performance in terms of accuracy, resilience to interferences and spoofing.
- Constellator: High-performance GNSS environment simulator to meet the challenges of New Space and emerging applications in transportation and autonomous vehicles.
- SubWAVE: Underground GPS coverage extension system, patented, unique in the world, aimed for public transportation, rail and mining sectors.

We're hiring new talents!

You have strong skills in embedded software development, you are passionate about cutting-edge technologies and technical challenges?

Then apply to this position!

Goals

Within the software development departments:

- You will be involved in drawing up system and software specifications and in all phases of receiver or simulator development.
- In partnership with systems and Hardware experts, you define the most efficient software implementation.
- You participate in the integration of developments into the system
- You respect the various development and quality assurance processes

Experience

Graduate of master's degree, you ideally have 5 years' experience in target-based software development.

You have already participated in design phases as part of a multidisciplinary team.

Technical skills

- C language, Rational ClearCase, Gitlab, VectorCAST, Rational Test, development with Bare Metal or RTOS task monitors.
- Target development and testing: System On Chip, STM 32 microcontrollers, etc.
- Continuous integration development methodology and tools (Gitlab)
- Organization and execution of HW-SW integration tasks on the Digital part, with an analog and radio frequency component.
- Knowledge of GNSS preferred
- Fluent English

Soft skills

- With a strong appetite for the technological challenges, you know how to share your passion
- You can argue and convince in a common goal: the customer's satisfaction and the success of the product
- Good listening and open-mindedness characterize you