FullStack Mobile
+ Backend Development Engineer M/F

Introduction

Recognized throughout the world, Syntony GNSS is a Toulouse-based brand with the FrenchTech label focused on technological innovation in the field of GNSS.

Specialising in radio navigation and embedded systems, we are world leaders in our field and present in many high-growth markets.

Our simulators, receivers and indoor/outdoor positioning systems meet the growing needs of the aeronautics and space industries, but also those of public transport, rail and mining or the IoT (Internet of Things).

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

The core of our activity revolves around 3 fundamental pillars:

- Innovation, to design the products and tools of tomorrow, in line with the real needs of our customers;
- Dynamism, to adapt our strengths and talent to the quality of our products and solutions;
- Open-mindedness, to remain attentive to our customers and partners while respecting our employees, with a heart to promote Humanism and the richness of multiculturalism.

In this context, Syntony's R&D department is looking for a **Fullstack Mobile + Backend Developer.**

Context of the mission

Syntony continues to develop SubWAVE, its patented positioning system for confined environments.

In this context, Syntony has developed mobile devices based mainly on Android (Java/Kotlin) and a cloud infrastructure (ApiPlatform), enabling the SubWAVE system (extension of GPS coverage underground) to demonstrate its positioning performance, calibrate and monitor it, and transmit its data to supervisory systems.

Additional services are planned on the basis of this initial development.

As part of a multi-disciplinary team, and within a methodological framework inspired by the Agile method, your role will be to ensure the software development of new functionalities.

Missions

- You will be involved in all phases of production:
  briefing, framing, design, architecture, development, testing, acceptance, etc.

- You will participate in the drafting of technical specifications, flowcharts and software architectures for the modules and applications for which you are responsible.

- In partnership with systems and hardware experts, you define the most efficient software implementation

- Depending on the needs, you can carry out the front and/or back-end developments.

- You set up pipelines for integrations, analysis, testing, and continuous deployments.

- You comply with the various development and quality assurance processes.

Technical skills

- Languages Kotlin 1.9, Java, C, Python 3.10 / PHP 8.

- NoSql, Sql, TimeSeries, K/V databases.

- Android API, FastAPI, Symfony Frameworks, and ApiPlatform.

- Design patterns, object design, modular and scalable architectures.

- Windows + Linux environments.

- A strong sensitivity to UX, cyber security and knowledge of GNSS will be appreciated.

- A good command of oral and writing English

About You

With a bac+5 degree in computer science, embedded systems or electronics, you have a strong appetite for cutting-edge technologies and technical challenges and have at least 5 years of experience in **Android software development, preferably in Kotlin** and **3 years in server backend development**.

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

Your open-mindedness, your taste for teamwork and your creativity will be the necessary assets for the success of your missions.

Do you recognize yourself in this description?

Apply and join a company that, in the development of its unique products, promotes innovation to design tomorrow's products, dynamism and open-mindedness, while listening to and respecting its customers and employees.

Address to apply: jobs@syntony.fr