

Internship: Embedded Software Ecosystems Integrator

[Apply Now](#)

Company: Septentrio N.V.

Location: Leuven

Category: computer-and-mathematical

For our Leuven offices, we are looking for highly qualified and motivated professionals like you. If you think you have what it takes to keep Septentrio firmly in Pole Position, get in touch.

We need you for the position of

EMBEDDED SOFTWARE ECOSYSTEMS INTEGRATOR

To be an intern at Septentrio is not only a learning opportunity, but it is also a chance to put your theoretical knowledge into practice and get real industry experience. You will have a real impact, overcome challenges, and deliver valuable input. In our international environment you are treated like a professional.

Description Of The Project

High accuracy GNSS receivers require different Software ecosystems compatibility and protocol connectivity to be integrated into emerging and industrial applications. Septentrio is committed to bringing high accuracy GNSS to different applications from robotics, UAV, IoT, Industrial and others. We are looking for an intern who would like to participate on integrating, prototyping, testing, benchmarking and/or releasing/integrating some of these ecosystems. As an Embedded Software Ecosystems Integrator, you will be creating proofs of concept in which combine high accuracy GNSS with 3rd party software APIs. You also implement changes in open-source autopilots (for robots and drones) to make them compatible with Septentrio receivers. Further, you will be benchmarking of GNSS systems using different high accuracy data correction input, and documenting and releasing (including open source) any add-on software which makes the integration possible with GNSS receivers.

Responsibilities Of The Intern

During this internship, you will be developing software, specifically glue code, which can ease the integration of third-party software services with Septentrio products and will emphasize the values of Septentrio receivers. You will work with various microcontrollers (MCUs) or embedded computers to port and integrate third-party software libraries. The coding tasks will involve languages such as C, C++, Python, or any other applicable programming language, ensuring that the resulting code is customer friendly. You will make sure autopilots are fully integrated with Septentrio receivers and drive the community so that they are part of the official releases of major autopilots. The hands-on approach extends to both software and hardware, emphasizing the importance of testing and benchmarking. You will be post-analysing and benchmarking of the collected data and presentation of results. The software development will be made open source (e.g. github) and should be well documented. You will establish contacts with the different stakeholders or third-party service providers to pursue the best integration.

You will be learning the usage and integration of high accuracy positioning and orientation. And also, the different 3rd party APIs from well-known companies and the integration requirements with high accuracy GNSS receivers and embedded systems (different MCUs). The intern works closely with our market ecosystems team as well as with our application engineering team to gain best experience on high accuracy positioning.

You

You study IT Software Engineer, Electrical/Electronics/Mechatronics Engineering or similar and have a basic Linux/Windows programming experience. You also have a good knowledge of C, C++ or Visual Studio and Python. Other programming languages are helpful. You are familiar with MQTT, REST APIs or Jason protocols and different MCUs (Raspberry Pi, Arduino, NVIDIA, NXP Nucleo, etc). You are an independent worker that is flexible for task assignments. You would be the ideal candidate if you have GNSS experience and experience in working with open-source community. And that you have affinity with positioning or communications technology.

Preferred Timing

Any time during 2024

Duration Of The Project

3-4 months (longer possible up to 6 months)

Stay Tuned

Do you recognize yourself in the above description? Then do not hesitate and apply on Workat.septentrio.com. No match with this vacancy, but you are keen to work for Septentrio? Then follow us on LinkedIn to stay on top of new vacancies and be the first to know future vacancies and new products.

[Apply Now](#)

Cross References and Citations:

1. Internship: Embedded Software Ecosystems Integrator BeauticianjobsJobs Leuven
[Beauticianjobs](#)
2. Internship: Embedded Software Ecosystems Integrator Gurujobs Jobs LeuvenGurujobs
[Gurujobs](#)
3. Internship: Embedded Software Ecosystems Integrator Southkoreajobs Jobs Leuven
[Southkoreajobs](#)
4. Internship: Embedded Software Ecosystems Integrator Jobsinnigeria Jobs Leuven
[Jobsinnigeria](#)
5. Internship: Embedded Software Ecosystems Integrator AttorneyjobsJobs Leuven
[Attorneyjobs](#)
6. Internship: Embedded Software Ecosystems Integrator Blockchainjobs Jobs Leuven
[Blockchainjobs](#)
7. Internship: Embedded Software Ecosystems Integrator Delhijobs Jobs LeuvenDelhijobs
[Delhijobs](#)
8. Internship: Embedded Software Ecosystems Integrator Trendzfurnitures Jobs Leuven
[Trendzfurnitures](#)
9. Internship: Embedded Software Ecosystems Integrator Nyjobscentral Jobs Leuven
[Nyjobscentral](#)
10. Internship: Embedded Software Ecosystems Integrator Lahorejobs Jobs Leuven
[Lahorejobs](#)
11. Internship: Embedded Software Ecosystems Integrator PandajobsJobs Leuven
[Pandajobs](#)

12. Internship: Embedded Software Ecosystems Integrator [SearchaustralianjobsJobs Leuven Searchaustralianjobs](#) ↗
13. Internship: Embedded Software Ecosystems Integrator [Johannesburgjobs Jobs Leuven Johannesburgjobs](#) ↗
14. Internship: Embedded Software Ecosystems Integrator [GhanajobsJobs Leuven Ghanajobs](#) ↗
15. Internship: Embedded Software Ecosystems Integrator [ForestjobsJobs Leuven Forestjobs](#) ↗
16. Internship: Embedded Software Ecosystems Integrator [Londonjobscareer Jobs Leuven Londonjobscareer](#) ↗
17. Internship: Embedded Software Ecosystems Integrator [Barcelonajobs Jobs Leuven Barcelonajobs](#) ↗
18. Internship: Embedded Software Ecosystems Integrator [Gurujobs Jobs LeuvenGurujob:](#) ↗
19. Internship: embedded software ecosystems integrator [Jobs Leuven](#) ↗
20. AMP Version of Internship: embedded software ecosystems integrator ↗
21. Internship: embedded software ecosystems integrator [Leuven Jobs](#) ↗
22. Internship: embedded software ecosystems integrator [JobsLeuven](#) ↗
23. Internship: embedded software ecosystems integrator [Job Search](#) ↗
24. Internship: embedded software ecosystems integrator [Search](#) ↗
25. Internship: embedded software ecosystems integrator [Find Jobs](#) ↗

Source: <https://be.expertini.com/jobs/job/internship-embedded-software-ecosystems-integrato-leuven-septentrio-n-v--6c4703eabc/>

Generated on: 2024-05-01 by [Expertini.Com](#)