



▷ Job Offer

Software Development Engineer

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MVG Industries, Medical Imaging Department (Wavelia) – Villejust (91), France

The Microwave Vision Group (MVG) develops cutting-edge technologies for the visualization of electromagnetic waves. The Group employs nearly 450 people and operates from 12 subsidiaries around the world to deliver to the most prestigious customers in the Telecom, Aeronautics, Space and Automotive industries. Its turnover exceeds 100M€ and is divided between Asia, the United States and Europe with continuous growth for many years.

MVG Industries, a company of the Microwave Vision Group, is currently developing Wavelia™ (www.wavelia.com), a breast imaging scanner based on microwave imaging technology. A first clinical study on a cohort of 24 patients was carried out during the period 2018-2020 at Galway University Hospital, in the Republic of Ireland, with a first version of the prototype of the medical device. The results of this study are promising and have ensured the development of a second generation of the device, which is intended to be employed in larger clinical trials, starting in early 2023.

Future developments involve an upgrade of the Wavelia piloting software ensuring the control of the device (all subsystems included) and the conduct of the Wavelia scan data acquisitions. The developments also include the User interface (UI) with the different steps allowing the operator to perform the Wavelia examination, to prepare the device for use (warm-up, diagnostic tests, etc.) and to clean the device after use. A software maintenance mode is also planned to be implemented. In this context, MVG Industries is looking for a Software Development Engineer to strengthen the company's Medical Imaging team. This role will be essential for the software development of the Wavelia regulated medical device, which will be conducted in accordance with the IEC 62304 medical standard.

MSc or PhD (Computer Science, Computer Engineering), with a minimum of 3 years of experience in the development of embedded software, preferably in the medical device industry, you have solid skills both technical and practical, and have good capacities of synthesis. You are interested in the medical imaging field, and you are proactive, with a voluntary attitude and excellent interpersonal skills. The project you will be working on will allow you to meet your expectations within a dynamic, multidisciplinary, and growing international team. In this context, a very good knowledge of English is essential (written and spoken).

You have the following key technical skills:

- ▷ Proficiency in C# / C++ / C.
- ▷ Solid experience in software development tools such as Visual Studio, MPLAB X, Compilers, ICD, etc.
- ▷ Experience in using graphical frameworks for embedded targets, such as Qt.
- ▷ Working knowledge of Software Configuration Management tools (Git, Bitbucket or similar) and Software Issue Tracking tools (JIRA or similar).
- ▷ Ability to rigorously document engineering evolutions, developments, test methodologies and results.
- ▷ Strong interpersonal skills, with the ability to collaborate and efficiently communicate in a multi-disciplinary and geographically distributed team.
- ▷ High degree of autonomy and good time-management skills.
- ▷ Flair for innovation.

Additional knowledge and experience would be highly appreciated:

- ▷ A working knowledge of the following standard and guidance documents for the development of software for medical devices:
 - IEC 62304 Standard for Medical Device Software development – Software Lifecycle Processes.
 - Additional documentation required by FDA guidelines.
- ▷ Specific experience in software development for the verification and validation of medical electrical equipment.
- ▷ Experience in generating the software deliverables for new medical device product development.

Essential human qualities:

- ▷ You are interested in the medical field.
- ▷ You are rigorous, passionate, motivated and endowed with a driving spirit.

- ▷ You know how to work in a team and you have a voluntary attitude.
- ▷ You learn quickly, you are curious and you have the will to deepen your knowledge.
- ▷ You have a practical and applied research spirit.
- ▷ You have excellent interpersonal skills.
- ▷ English is essential (written and spoken).

Based in Villejust, we offer you a dynamic working environment. You will enjoy working with a team of international profiles with technical knowledge and complementary skills, from whom you can benefit and with whom you can fully interact.

You will benefit from meal vouchers, company mutual insurance, a profit-sharing plan, CSE advantages, as well as an advantageous working time arrangement (one Friday out of two not worked and days of teleworking possible, depending on the needs of the project).

Location:	Villejust (91), Zone d'activité de Courtabœuf, France
Education:	PhD or MSc/Engineering degree
Working experience:	3 years minimum in the industry
Salary:	depending on your profile and experience

Please, send your application to:

Karine Barriant, Human Resources

- ▷ E-mail: rh@mvg-world.com
- ▷ Tel: +33 (0)1 69 29 02 47

Who are we?

The Microwave Vision Group (MVG) develops cutting-edge technologies for the visualization of electromagnetic waves. By improving the speed and accuracy of wireless connectivity testing, as well as the performance and reliability of anechoic and EMC technologies, our systems have a crucial role to play in meeting the challenges of testing in an interconnected world.

The Group employs nearly 450 people and operates from 12 subsidiaries around the world to deliver to the most prestigious customers in the Telecom (Huawei, Samsung, Sony, etc.), Aeronautics (Thalès, Boeing, etc.), Space (Space X, etc.) and Automotive (BMW, Peugeot, Renault, etc.) sectors.

Its turnover exceeds 100M€ and is divided between Asia, the United States and Europe with continuous growth for many years.

MVG is a growing group looking for talent to continue its story.

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