



We are looking for:

Embedded Systems Development Engineer (F/M)

Our company

IVM Technologies provides 3D reconstruction solutions that enable its customers to reduce inspection costs across a wide range of industrial sectors. The company develops, designs, and markets products and services in the fields of metrology and infrastructure and equipment inspection, using photogrammetric surveying techniques.

We offer simple, high-performance equipment and software solutions for the inspection of industrial infrastructure through 3D reconstruction.

We also provide consulting and expertise services for complex inspections, support innovation in equipment design, and conduct R&D activities through national and European projects.

As a true pioneer in our market, 100% of our development work is carried out in-house. Our growth is driven by a strong commitment to rigor and a particular focus on the quality of our products and consulting services.

We value teamwork and cohesion, and strive to maintain a genuine work-life balance for our employees.

Job description

To support our growth, we are looking for an Embedded Systems Development Engineer. Reporting to the Head of Software Development, the successful candidate will join a stimulating and rewarding work environment.

They will be involved in the design of navigation solutions, development of embedded systems, bug fixing, and maintenance of existing solutions. As part of the development team, they will work alongside a team of technical experts.

The role will primarily focus on the development of embedded solutions based on the NVIDIA Jetson platform, as well as sensor fusion and computer vision.

As a proactive contributor to the development of our software solutions, your main responsibilities will include:

- Ensuring the operational maintenance of embedded solutions.
- Developing innovative sensor fusion and computer vision solutions.
- Implementing code security measures to protect the company's intellectual property.
- Contributing to the maintenance and migration of existing solutions.
- Carrying out bug fixing based on feedback from field operations.
- Performing unit testing of new systems.



- Maintaining and updating the architecture and implementation documentation for software projects.
- Contributing to the design of future hardware and software solutions based on the NVIDIA platform.

Candidate profile

Master's degree / 5-year higher education qualification (Bac+5) with 3 to 5 years of professional experience, although a junior profile with an initial professional experience will also be considered (e.g. engineering degree from INSA, ENSIMAG, ENSTA, or a Master's degree in Computer Science).

The candidate must demonstrate significant experience in computer vision on the NVIDIA Jetson platform.

Experience in sensor fusion for navigation systems would be highly valued.

Knowledge of DevOps practices and tools would be an advantage.

Autonomy and curiosity are essential qualities for succeeding and thriving in this role.

Required skills

- C++
- NVIDIA Jetson platform
- Python
- CUDA
- Docker / Ansible
- Agile development methodologies (continuous integration, ticket tracking)
- Configuration management (Git / CVS)
- Sensor fusion and data aggregation

Desirable skills

- GStreamer
- Computer networking
- Technical documentation and technical writing
- English
- Embedded systems
- IMU (Inertial Measurement Unit)
- SLAM (Simultaneous Localization and Mapping)
- ROS (Robot Operating System)
- Strong interest in AI and emerging technologies

What we offer

- A stimulating and rewarding work environment.
- A high-value project involving cutting-edge technology.
- A wide variety of technical challenges and projects.
- A young and dynamic team.

- A strong focus on work-life balance.

Personal qualities

- Team-oriented mindset.
- Dynamic and proactive approach.
- Ability to take initiative and make proposals.
- Autonomy.
- Creativity and resourcefulness.
- Flexibility and adaptability.

Conditions

- Permanent full-time contract (CDI) – Marseille 13009, France.
- Employment status: Management-level employee (cadre), annualized working days arrangement (forfait jours).
- Salary: €40,000–€50,000 gross per year, depending on experience.

Additional benefits

- High-quality health insurance coverage.
- Meal vouchers.
- Employee savings plan / profit-sharing scheme.
- A strong focus on work-life balance.
- A human-sized working environment.