



Job Offer

Job Description – Software Engineer (Industrial Systems)

Place: Perly (Geneva), Switzerland, 100%

Starting date: March 2026

About Us

Plair SA develops and manufactures innovative instruments for real-time air microbial monitoring. Our products are intended for pharmaceutical, food, and cosmetics industries, as well as research, and enable automated quality control processes. We are expanding our software development team in Perly, canton of Geneva, Switzerland, and are looking for a software engineer to contribute to the development of “Rapid”-series instruments. A great opportunity to join our rapidly growing team and to shape the future of environmental monitoring together.

Plair SA is a Swiss company with offices in Geneva (CH) and Annecy (FR).

Your Role

We are an innovative company with an entrepreneurial spirit, building intelligent industrial machines, and we are looking for a curious, self-driven Software Engineer to join our team.

Plair SA – Job Offer Software Engineer

Our stack is based on embedded Linux, Docker, and Python, with close interaction between software and hardware. Reporting to the Software Team Lead, you will design new software modules and maintain, refactor, and optimize an existing codebase.

In addition, you will occasionally work on data analysis: our machines generate large volumes of data (up to ~10 GB/day), including particle measurements such as size distributions and concentrations. This work involves using pandas, NumPy, and data visualization tools, and contributes to early-stage machine learning workflows that help better understand and improve system behavior.

Because science, innovation, and entrepreneurial spirit are core to our company, the scope is intentionally broad. You should be comfortable handling diverse and sometimes unexpected challenges, including tasks that go beyond “pure software engineering.”

Key Responsibilities

- Design and develop Python modules following clean architecture principles (SOLID, testable code)
- Maintain, refactor, and improve an existing codebase (performance, reliability, readability)
- Debug complex issues across software, OS, and hardware boundaries
- Develop and maintain internal tooling and automation scripts (Bash, Python)
- Interface with sensors and peripherals (I2C, device communication, REST APIs)
- Use Git with clean, disciplined workflows

Skills and Profile

Technical Skills

- Proficiency in Python and Linux-based environments
- Experience with Docker and containerized development
- Solid understanding of Git and clean version-control practices
- Familiarity with I2C, sensors, or low-level hardware interfaces

Mindset and Soft Skills

- Naturally curious: you want to understand how things work end-to-end
- Autonomous and self-motivated; comfortable working without a rigid structure
- Pragmatic problem-solver, able to balance quality and delivery
- Enjoys reading code as much as writing it
- Comfortable with ambiguity and evolving requirements
- Willing to occasionally step outside “pure software” work

Nice to Have

- Experience with pandas, SQL, or machine learning
- Interest in learning ML in a real industrial environment
- Prior exposure to embedded or industrial systems

Plair SA – Job Offer Software Engineer

Experience and Requirements

- 3–5 years of professional experience in Python/Linux development (non-senior role)
- Degree in Software Engineering or equivalent practical experience
- Fluent in English and/or French
- Valid Swiss or EU work permit

Why Join Us?

- Real ownership: your work directly impacts the product
- Small team, high responsibility, no busy work
- Exposure to the full stack: software, hardware, data, and production
- A strong learning environment for engineers who enjoy understanding systems deeply

Contact information

If you are interested, send your application to: careers@plair.ch