



Évrard VAN ESPEN

Devops and Full-stack Developer, clean code, high performance

Experienced *full stack* and *devops* developer with several years of experience in *startups*. My skills range from prototyping and architecture design to full development and operational production, including meeting management and creating both technical and user documentation. Proficient in *front-end* and *back-end* development, as well as *Linux* system administration, from a few machines to dozens.

Contact

@ evrard@vanespen.dev

+33 7 81 29 99 59

evanespen

linkedin.com/in/evrard-van-espen-28a003202

Personal Information

Nationality: **French**

Location: **Clermont-Ferrand** (remote or hybrid)

Languages: **French** (native), **English** (fluent)

Skills

- Python, Pandas, Dart, JavaScript, Rust, Go, Elixir
- Flutter, Svelte, VueJS, Figma, \LaTeX
- Linux systems, PostgreSQL, Ceph, Docker, Kubernetes, monitoring (Grafana, Prometheus), automation (Ansible)
- Gitlab CI
- Sensitive to cybersecurity issues
- Autonomy, project understanding, initiative, creativity

Personal Projects

- Maintaining a *homelab* to test new technologies;
- Developing projects to stay up-to-date with technologies and experiment with languages.

Interests

Photography, cinema, nature, motorcycles, leatherwork.

Experiences

SOFTWARE ENGINEER, DEVOPS

Arke, Clermont-Ferrand

October 2023 - July 2025 (1 year and 9 months)

IT consulting and development company. Typical clients include large corporations, project leaders, and *startups*.

- **Multi-platform application development:** Developing complete mobile applications (prototypes, development, testing) intended to be presented as proofs of concept (POCs) to investors for fundraising. These POCs validated technical feasibility and project attractiveness for stakeholders;
- **System administration and architecture:** Administering and maintaining machines, configuring environments, and automating routine tasks;
- **Rust development:** Integrating components into a *Rust API*;
- **Product Owner:** Close collaboration with clients to design intuitive and impactful interfaces, validated prior to investor presentations, leading design meetings to define specifications and validate deliverables;
- **Product design:** Participating in the design of a physical product, actively contributing to research and development of technical requirements.

Key skills: Flutter, Figma, Dart, Rust, Ansible, Gitlab CI, Docker, autonomy, communication

PYTHON DEVOPS (FREELANCE)

Michelin, Clermont-Ferrand

April 2023 - October 2023 (6 months)

- Providing technical support to *Python* development teams;
- Developing tools for developers;
- Creating *Docker* images and *Gitlab CI* pipelines for *Python* and *C++* teams;
- Working in an agile methodology.

Key skills: Python, Docker, Gitlab CI, Artifactory

STAND-IN VIRTUALIZATION TEACHER

IUT informatique, Clermont-Ferrand

May 2024 - June 2024 / May 2025 - June 2025

Designing and teaching a complete module on virtualization and containerization technologies, covering *Proxmox* and *Kubernetes*. Conducting lectures, practical sessions, and final student evaluations.

Key skills: Kubernetes, Docker, Proxmox, pedagogy

SOFTWARE ENGINEER, DEVOPS

Weather Measures, Clermont-Ferrand

September 2018 - December 2022 (4 years and 3 months)

Company specializing in the production and supply of high-quality, high-resolution meteorological data, operating in the *big data* sector. Clients include major corporations.

- **Design of scalable data architectures:** I developed solutions in **Python** and **Pandas** to process and analyze massive volumes of meteorological data in real time, enabling major clients to make faster and more accurate operational decisions;
- **Development of visualization tools and pipeline management:** Creating interfaces in **VueJS** and **Svelte** to manage processing pipelines and visualize complex data, providing teams with better visibility and significant productivity gains;
- **Automation and industrialization of infrastructures:** Using **Python scripts** and **Ansible playbooks**, I automated server deployment, configuration, and maintenance, reducing intervention times by **30%** and eliminating the risk of manual errors, resulting in a more reliable and cost-effective infrastructure;
- **Proactive monitoring and incident resolution:** I deployed a **Prometheus/Grafana stack** to monitor performance and anomalies in real time, enabling proactive problem detection and ensuring optimal service availability for end users;
- **High-availability cluster management:** Administering a **Proxmox** cluster (virtualization) and a **Ceph** cluster (distributed storage), ensuring **99.9% availability** and secure management of **500 TB of data**, with daily ingestion of several TB;
- **Data security and resilience:** Implementing **software RAID (mdadm)**, automated backups, and restoration tests, along with regular security audits, to protect sensitive data and ensure business continuity, even in the event of an incident;
- **Infrastructure security:** Strengthening system security (SSH access management, firewall, encryption) and applying best practices to minimize risks and comply with regulatory requirements, providing peace of mind for clients and teams.

Key skills: *Python, Pandas, FastAPI, VueJS, Svelte, Linux systems, Ceph, Prometheus, Grafana, Ansible, Proxmox, Kubernetes, Docker*

Personal Projects

HIGH-PERFORMANCE ONLINE PHOTO GALLERY

Online photo gallery designed to host my photography work, with 2000+ high-resolution photos, featuring high-performance *front-end* display and *API* responses. This application includes features for processing image metadata, generating thumbnails, and an administration interface.

I created several implementations to test new languages and stay up-to-date:

- **Microservices implementation, Nats, Python, Rust, Go:** Implementation using microservices developed in *Python* with *FastAPI*, *Rust*, and *Go*, communicating via the **Nats** messaging system;
- **Go implementation:** Monolithic implementation using the **Go** language with the *Gin* library to create the *API*, using **Apache Parquet** for the database;
- **Elixir implementation:** Monolithic implementation using the **Elixir** language with the *Phoenix* library to create the *API*;
- **SvelteKit implementation:** *Full-stack* implementation using the **SvelteKit** framework, with **Postgresql** for the database.

Key skills: *Python, FastAPI, VueJS, Svelte, Rust, Go, Elixir, Apache Parquet, Nats, Jetstream*

HOMELAB

Maintaining a *homelab* to test tool deployment and system administration. The *homelab* consists of a powerful machine hosting a **Proxmox** server with a **Kubernetes** cluster installed. Monitoring is performed using the **Prometheus/Grafana** stack. Continuous integration is set up using **Gitlab CI**. **Key skills:** *Linux systems, Kubernetes, Docker, Proxmox, Grafana, Prometheus, Gitlab + CI*

Education

PROFESSIONAL DEGREE IN COMPUTER SCIENCE

IUT informatique de Clermont-Ferrand

2018