

Gaël Demette

Infrastructure, reliability & digital sovereignty

Kubernetes, Terraform, Pulumi and Nix in production. High availability, SLAs and security, incl. French MoD and ANCT.

Last update, Sep 2026

PROFESSIONAL EXPERIENCE — 6

Mar 2025

→

today

President

adnap

Mission-driven company in the social and solidarity economy. Technical leadership of the company. Support for digital sovereignty

Infrastructure and cost optimisation — Aroma Zone

Six months on transverse concerns: monitoring, infrastructure cost reduction, GCP and Azure.

GCP · Azure

Safeguarding reports platform — French social affairs ministries

Support for regional health agencies tracking reports concerning vulnerable adults.

Rust · Nix · Kubernetes · Gitlab · Open Source · Pulumi · Deno · VueJS/Nuxt · PostgreSQL · Redis · Scaleway · GCP · Azure · TypeScript · Linux · Docker

Jan 2025

→

today

CTO

Cashway

Part-time

- Rewrote a production system from Python to Rust, with the scope revised following an audit.
- Took over a product with none of its original team available: audit, reverse engineering and written documentation.
- Built the non-regression metrics that framed the rewrite.

OVH · Pulumi · Disaster management · Security · Rust · Linux · Observability

Feb 2018

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Mar 2025

President

Qonfucius

Up to 14 employees and ~€1M revenue. Technical leadership of the company.

- Transitional technical leadership
- Worked on the Foncia group's ERP: raising code quality, and taking part in the team's technical debates and trade-offs.
- Audits & consulting

e-Chauffeur — French Ministry of Armed Forces

Real-time tracking of Armed Forces drivers through cellular data tracing, on the model of an Uber without the payment layer.

VueJS/Nuxt · MongoDB

Transverse DevOps infrastructure — French Ministry of Armed Forces

LEAD DEVOPS

Deployed the incubator's software onto in-house infrastructure hosted at Scaleway, and supported the development teams.

Scaleway

carrefour.fr rebuild — Carrefour

A roughly six-month engagement rebuilding the site.

Incubateur des Territoires — ANCT LEAD TECH

Deployed the incubator's software onto infrastructure hosted at Scaleway, and supported the project teams.

Scaleway

Offline cloud — French Ministry of Armed Forces

Evaluation, benchmark and proof of concept for a cloud offering that runs disconnected from the internet.

Stargate — French Ministry of Armed Forces

Access management for defence bases. A CI pipeline producing a self-contained archive, for deployment with no internet connection.

MongoDB

Kubernetes · Terraform/OpenTofu · Gitlab · Github · Azure · Continuous Delivery · SLA · Continuous Integration · Support · High Availability · Remote work · Open Source · Security · VueJS/Nuxt · PostgreSQL · Redis · ArangoDB · Scaleway · Directus · TypeScript · Docker · Ansible · Linux · Observability · Agile · Microservices · TDD

Apr 2016

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Jan 2018

CTO

HungryUp

- Very high availability of the application, with zero downtime.
- System and application architecture, APIs and the critical features, up to a substantial scaling capability.
- Provisioning benches for Android tablets and devices via GenyDeploy; AWS Elastic Beanstalk infrastructure.

Gitlab · AWS · High Availability · SLA · MongoDB · Continuous Delivery · Continuous Integration · Security · Linux · Docker

Sep 2015

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Jan 2016

Lead Developer

Adrenaline Hunter

- Built a new product with Symfony.

AWS · Github · Continuous Integration

Sep 2013

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Sep 2014

Web Developer

Webtales

Rubedo

Open-source CMS built on Zend Framework 2, MongoDB and Elasticsearch, with a Big Data slant. An early adopter of MongoDB and of industrialised site delivery, when both were rare.

MongoDB · Elasticsearch

MongoDB · OVH · Hypervisor · Github · Open Source · Continuous Integration · Elasticsearch

VOLUNTEERING & COMMITMENTS — 4

Jan 2026

→

today

Homework support

Supporting young people with their homework, from primary school to the final year of secondary.

Sep 2021

→

Jan 2025

Member

Mouvement Impact France

Member of the social and solidarity economy interest group.

May 2021

→

Jan 2025

Volunteer Member

Réseau Entreprendre 91

Startup mentoring

- Mentored two startups, a construction-industry ERP and a passwordless authentication product, as a sparring partner to surface their blind spots.

Sep 2010

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Sep 2012

Volunteer Trainer

association "Le lien : l'informatique & nous"

- Training people affected by digital illiteracy.

French, native language English, technical

MY SKILLS — 39

DEVELOPMENT

Rust Deno TypeScript VueJS/Nuxt MongoDB

PostgreSQL Redis ArangoDB Elasticsearch

MySQL

SYSTEM ADMINISTRATION

Linux Nix Pulumi Docker Kubernetes

Scaleway Terraform/OpenTofu Ansible Hypervisor

OVH AWS Azure GCP

PROJECT MANAGEMENT TOOLS

Gitlab Directus Github

SOFT SKILLS

Agile Continuous Delivery Continuous Integration

Disaster management High Availability Microservices

Observability Open Source Remote work Security

SLA Support TDD

EDUCATION — 4

Sep 2014 → Sep 2016

Master of Science

Supinfo — Paris, Tour Montparnasse

Advanced programming (Java, C#), project management, cloud computing, network architecture, cybersecurity.

Sep 2013 → Sep 2014

Bachelor of Science

Supinfo — Paris, Tour Montparnasse

Web development (PHP, JavaScript), databases, virtualisation, Linux administration.

Sep 2011 → Sep 2013

BTS Information Technology Services for Organizations (S.I.O.) Option Software Solutions and Business Applications

IRIS — Paris XVII

Software development, systems maintenance, database management, networks and telecommunications.

Sep 2008 → Sep 2011

Professional Baccalaureate in Electronic and Digital Systems (S.E.N.) Option Telecommunications and Networks at IRIS

IRIS — Paris XVII

Digital electronics, telecom networks, network infrastructure, systems maintenance.

CERTIFICATIONS – 1

Feb 2026

Prevention and Civic Rescue (PSC)
Fédération Nationale de Protection Civile

LANGUAGES – 2

French, native language English, technical