

👤 PERSONAL SUMMARY

With a background as a developer specializing in Unix systems programming from 42 Paris (first cohort), I have focused in recent years on the latest technologies and methodologies regarding:

- Software architecture
- Installation and management of vanilla Kubernetes clusters (Kubespray, Cluster API, or managed services)
- Cloud infrastructure architecture (on-premise or using providers such as Scaleway, Outscale, OVH, DigitalOcean, AWS)
- High availability (software optimizations, metric-based autoscaling, Advanced Message Queuing Protocol, etc...)
- Monitoring (dashboards, metrics, alerting, tracing)
- Automation & CI/CD (conformance, security tests, E2E tests, software supply chain, etc.)
- Pentesting & Offensive Security (OSCP, HTB lab training, Kali Linux)
- FinOps approach (autoscaling, software optimizations)
- Platform engineering
- Infrastructure as Code: API Kubernetes, serverless architecture. Kubernetes Operators, pulumi, Terraform/Opentofu

My expertise has enabled me to work as a Backend and Frontend Developer, Software Architect, or Ops engineer on various engaging projects:

- Smart building intranet (Station F)
- Web platforms
- Digital sovereignty projects (Numspot and Aleia cloud platforms)
- Solo SRE on a major NLP project and cloud platform project (Miralia ex Golem.ai, Aleia)
- IoT ARM64 architecture, embedded Linux
- HA infrastructure and Site Reliability Engineering
- Automation, CI/CD, DevSecOps practices
- Infrastructure as Code I would like to develop my skills in the Rust language and pentesting methods (Offensive Security) in the near future.



**Simon
GEISMAR**

Architecte Software &
Cloud / Platform
Engineering /
Methodology DevSecOps

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42demon/ (https://
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WORK EXPERIENCE

Software Architect | Cloud Architect | SRE

08/2021 - Present

Turfu.dev (<https://turfu.dev>)

My freelance company

<https://www.linkedin.com/company/turfu-dev/> (<https://www.linkedin.com/company/turfu-dev/>)

Architecte Cloud DevOps / SRE

10/2023 - 03/2025

Numspot, Ville de Paris, Île-de-France, France (<https://www.linkedin.com/company/numspot>)

- HA Architecture / Infrastructure Cloud architecture / Workload Management
- Software development life cycle (CI/CD, charts, production, Cloud native computing approach, good practices...)
- Production Kubernetes clusters Administration at scale
- Build Infrastructure with Terraform / Opentofu (Provisioning, versioning)
- Configuration with Ansible to create VM images
- OS hardening with OpenScap tool
- DevSecOps method (Resilient infrastructure, E2E test, dependencies scan, sbom generation, sast, dast, secrets management, security, code reviews about scalability and security)
- Writing documentation: technical procedures manual, disaster recovery plan...
- Incident management. Do everything possible with the teams to ensure that an incident does not happen again, be in front of the customer and react quickly
- Advice and consulting: cluster-api, Kubespray, Kubernetes advanced features

Architecte Cloud DevOps / SRE

10/2023 - 03/2025

Stack Labs, Ville de Paris, Île-de-France, France (<https://stack-labs.com/en/>)

Clients:

- Numspot

Architect Cloud DevOps / SRE

12/2021 - 05/2022

ALEIA, Ville de Paris, Île-de-France, France (<https://www.linkedin.com/company/aleiacorp/>)

- Infrastructure setup (First initialisation and setup of infrastructure, Terraform templates, helm template...)

EDUCATION

Certificat d'architecte en Technologie du Numérique | 42 Senior Degree in Computer Programming

42 Paris

12/2014 - 12/2019

Expert en architecture informatique | Titre RNCP 7 in Computer Programming

42 Paris

12/2014 - 12/2019

Expert informatique et systèmes d'information | Titre RNCP 7 in Computer Programming

Ingésup / YNOV Campus

11/2018 - 11/2019

LANGUAGES

English (Professional Working)

Français (Native Speaker)

INTERESTS

Decentralization

Nature and peace

- Infrastructure Operations (MEP, Migrations, Gestion d'incidents, migrations entre différents cloud providers...)
- Secrets Management (Vault)
- Infrastructure as code (Terraform)
- Setup Kubernetes Operator (RabbitMQ operator, Minio operator...)
- Site Reliability Engineering
- Automatisations - CI/CD (Gitlab CI)
- Monitoring multiples cluster (Grafana, prometheus, loki, mimir)
- Setup Messaging/Streaming broker system
- Autoscaling setup according to metrics
- Orchestrated AI/ML workloads with Kubernetes
- Guarantee high availability on services

Architect DevOps / SRE

12/2019 - 03/2022

Golem.ai, Région de Paris, France (<https://www.linkedin.com/company/golem.ai/>)

- Creation of the DevOps/Infrastructure department (first DevOps department in the company)
- Ensure a strong DevOps culture within the company
- Head of the DevOps department
- Operations manager for SaaS and on-premise client infrastructures
- Site Reliability Engineering
- Operations Management
- Infrastructure Architecture (network, scalability, automation, etc.)
- Messaging/Streaming broker setup
- Autoscaling setup according to metrics
- Infrastructure Operations (SaaS and on-premise deliveries)
- Setup of DevOps department environments
- Implementation of CI/CD, monitoring, automation, e2e non-regression testing
- Responsible for production release management
- Implementation of Infrastructure as Code mechanisms
- Terraform templates
- Automation of security processes: SAST, DAST, OCI image scanning
- Migration to a new provider without interruptions
- Build a sovereign and robust
- Platform Engineering: Build Interface to configure and run NLP engine instances (Vue / golang Kubernetes-client)

Atos, Région de Paris, France (<https://www.linkedin.com/company/atos/>)

Atos Open Source Center

Cloud infrastructure, high availability, containerization, automation, transitions to new technologies, implementation of integration platform and continuous delivery onPremise and other types of development-oriented missions.

Main technologies:

- Kubernetes / OpenShift
- Python, php or NodeJS
- Gitlab CI/CD tools

Main missions:

- Gitlab HA for large accounts
- Virus scan integration architecture on an existing web platform for a public service
- Migrations - Complex updates - Databases operations

Expertise: Software Architecture / Cloud Ops Architecture / DevOps Methods / Demonstration in front of the client

Main customers:

- Atos Pole Open Source (Atos intern tools)
- Île-de-France region - 2-month assignment
- EDF - Mission 6 months
- Health Insurance Fund - Mission 1 month

Architecte Logiciel | Développeur back-end

06/2018 - 12/2018

42Genesys, Région de Paris, France

Web-App & IOT for PHOTOPointCOM :

Technologies :

- NodeJS
- Docker Swarm
- Gitlab CI
- ARM64 boards IOT
- Linux stack

Fonctionnalités :

- Back-Office
- Image processing
- API
- Devices Management [Printers, Wifi, SFTP Cameras]
- POS deployment + API Integration

Back-end Developer

06/2017 - 09/2017

Crack The Egg, Région de Paris, France (<https://crack-the-egg.com/>)

Creation of a web platform for the escape room Crack The Egg! Tool used: Django Python

Features:

- Rooms / parties booking
- Back office: HTML / Design integration, management (scenarios, reservations, coupon codes, customers, invoices, referencing)
- Creation of an API to exchange information with the game room
- API integration with the payment system

Developer

08/2016 - 02/2017

STATION F / Halle Freyssinet, Région de Paris, France (<https://www.linkedin.com/company/stationf/>)

My challenge was to create the first version of "Station F" intranet with a team-mate. It was a great experience and an exciting project !

Technologies used: NodeJS / AngularJS / MongoDB

STATION F

World's biggest startup campus ! We're building a place where entrepreneurs from around the world - both brilliant and crazy - come together to work, live, laugh, and fuel society with innovative startups that bring real value.

STATION F will open in 2017 in Paris, France.

Graphic Designer

01/2013 - 02/2013

faberNovel, Région de Paris, France (<https://www.linkedin.com/company/fabernovel-group/>)

I had the opportunity to return to FaberNovel's Graphic Design department during a second internship.

I helped realize the design and development of a touch interface that works with 3 screens for the "Showroom 17".

I gained experience in computer graphics and Webdesign. faberNovel also taught me a lot about how their "digital eco-system" and entrepreneurship work.

Intégrateur Web

06/2012 - 07/2012

MYOOH "evident Digital Media", Paris (<https://www.linkedin.com/company/myooh-digital-signage/>)

During this internship, I did a lot of web integration with the Joomla CMS. I developed my notions in web during all the duration of this internship.

Graphic Designer

11/2011 - 12/2011

faberNovel, Paris (<https://www.linkedin.com/company/fabernovel-group/>)

- Infographics
- Logos
- models
- Webdesign
- Photo retouching
- Use and decline the company's graphic charter

Graphist

04/2011 - 05/2011

Mondadori France, Paris (<https://www.linkedin.com/company/mondadori-france/>)

- Réalisation de maquette pour le magazine Closer
- Adobe Suite Créations



VOLUNTEER WORK

Staff APIDays Paris 2014

12/2014 - 12/2014

FABERNOVEL (<https://www.fabernovel.com>)

<https://www.linkedin.com/company/9424202> (<https://www.linkedin.com/company/9424202>)

Bénévole

05/2009 - 06/2009

La Clairiere Centre Social (<https://www.laclairiere.org/>)

www.laclairiere.org/ (<http://www.laclairiere.org/>)

AWARDS

Paris Open Source Summit - coding context Winner

12/2018

Paris Open Source Summit

Paris Open Source Summit 2018 coding context - alter way Mini challenge - Docker, MQTT, real time - #1 Winner

PROJECTS

Intranet de Station F (<https://hal.stationf.co/>) -

PUBLICATIONS

Jolie Fille Crew - Site officiel (<http://www.joliefille.paris>)

01/2017

Jolie Fille

Jolie Fille est un collectif créé en 2013 par quatre créatifs débordant d'idées. En mêlant chacune de leur spécialité, ils construisent un univers dans un but commun : s'amuser librement ! Ils mélangent vidéos, animations, photographies et illustrations.

La Villa Des Arts - Site officiel (<https://lavilladesarts.org/>)

05/2014

La Villa Des Arts

Ancien site officiel de l'association artistique "La Ville A Des Arts"

Xavier Lucchesi - Site officiel (<https://www.x-lucchesi.com/>)

06/2013

Xavier Lucchesi

SKILLS & PROFICIENCY

Platform Engineering

Production Kubernetes clusters Administration at scale

Architecture informatique

Infrastructure as code

Software Programming

Administration Unix

Programmation web

High Availability Architecture

Monitoring

Integration and continuous delivery

Secrets, identity, and access control management

Agile methods

DevSecOps methods

Cloud Providers

Pentest

Démonstration de produits

Designed with ❤ by Xiaoying Riley (<http://themes.3rdwavemedia.com>) for developers