

SENIA Alexandre

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Nice, France

DEVOPS & FULL-STACK ENGINEER | 9+ YEARS OF EXPERIENCE

DevOps and Full-Stack Engineer with experience in **Python, JavaScript/TypeScript, Kubernetes and Terraform**. I build and run cloud platforms and the applications on top — from event-driven / DDD back-ends to **Next.js** and **Vue** front-ends — including regulated (**ALCOA+, 21 CFR Part 11**) medical environments. I own architecture, development and production: CI/CD pipelines, stable production systems, and cloud infrastructure. **Certified CKA, CKAD, JSNSD and LFCS**.

SKILLS

Python (FastAPI/Flask)	Docker / Kubernetes / k3s	Grafana / Prometheus
JavaScript / TypeScript (Node/NestJS)	Terraform / Ansible	ELK / ElasticSearch
React / Next.js / Vue.js	GitLab CI / Bitbucket	Vault / SSO (FranceConnect)
Hexagonal / DDD / Event-Driven	Proxmox / Azure / OutScale	Nginx / Caddy / Traefik
MariaDB / Redis	Railway / Vercel	GenAI · Google Places / OAuth

PROFESSIONAL EXPERIENCE

Biotrial

Early 2025 - Present

Lead Developer & DevOps | Freelance

Building the platform that helps **Biotrial** grow its pharmacological-testing business, working hand in hand with the data-science team. Ownership of self-hosted infrastructure, the application, and regulatory compliance.

- **Infrastructure** — VMs & clusters end to end (**Proxmox, k3s, Ansible, Terraform**); observability and secrets (**Grafana, Prometheus, Vault**)
- **CI/CD** — GitLab with self-hosted runners: automated non-regression tests and deployments
- **Application** — hexagonal / DDD / event-driven architecture on **NestJS** with internal-tool integrations; front-end in **Vue.js**
- **Compliance** — built to meet **ALCOA+** and **FDA 21 CFR Part 11** requirements

CozyFid.com

Feb 2026 - Present

Co-founder & Full-Stack Developer

A QR-based loyalty game that turns in-store visits into Google reviews and social follows for cafés, restaurants and salons — live in France and Vietnam.

- **Next.js** product with **Google Places API** and **Google OAuth**, deployed on **Railway**
- **Generative AI** — auto-generated branded posters and AI-assisted Google-review replies
- Self-serve SaaS; converts foot traffic into verified digital engagement

ExactCure

Nov 2019 - Dec 2024

IT Technical Leader | Back-end Developer / DevOps

Predictive pharmacokinetic and pharmacodynamic simulation for B2B and B2C clients. Expertise in managing IT infrastructure and production environments. Design, development, and deployment of software architected with a microservices approach. Provisioning and maintenance of virtual machines created via IaaS solutions. Administration of servers, k8s clusters, databases, and monitoring tools. *References available upon request.*

Back-End Developer — Design and development of software:

- REST APIs, CRUD operations, database migration scripts, integration and unit testing (**Python/FastAPI, Php/Laravel, SQL MariaDB**)
- Executable scripts (**Bash, Ubuntu, CentOS**); integration of external APIs for **SSO** connections and consuming partner data

DevOps — Deployment, provisioning, and maintenance of IT infrastructure:

- CI/CD Pipelines (**Bitbucket**); SaaS resources (**Azure, Linux Ubuntu VMs, Vnet, DB**)
- Microservices cluster and cloud computing (**Kubernetes, Helm**); back-office & observability (**ELK Stack, Vault, Nginx**)
- Docker images (**Docker, Docker Compose, Swarm, DockerHub**)

Avisto

Dec 2017 - Nov 2019

Full-Stack Developer

Fields: Geolocation, banking, industrial automation, CRM, customer loyalty

Back-End: Python/Flask, Node.js, Java/Spring · **Front-End:** ReactJS, Tailwind, MaterialUI, Angular · **DevOps:** Docker, Docker Compose, Jenkins

EDUCATION & CERTIFICATIONS

ESIEE Paris — 2017

Computer Science Engineering

CKA, CKAD, JSNSD & LFCS certifications

CNCF · Linux Foundation · OpenJS — [Badge Portfolio](#)

EXTRACURRICULAR ACTIVITIES

Codewars — codewars.com/users/KampFire

Traveling / Hiking

Sports

DIY (IoT)

3D Printing