



MAXENCE RENAUD

Fullstack/DevOps Engineer

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Profile

A Fullstack/DevOps Engineer driven by a genuine commitment to **code elegance** and **system robustness**. I pay particular attention to **details**, **technical consistency**, and the quality of the final product. For me, clean development relies on a structured approach: **tests**, **documentation**, **code reviews**, **continuous coverage**.

A curious autodidact, I regularly train on topics that drive me—from **backend** to **frontend**, including **automation** and **deployment pipelines**—through concrete or personal projects. I enjoy exploring modern frameworks, optimizing workflows, and sharing what I learn.

My approach is **structured yet adaptable**: it relies on **technical clarity**, **constant team interactions**, and **short feedback loops** for fine-tuned iterations.

Recognized for my **constant energy**, **pedagogical skills**, and my ability to move projects forward with **pragmatism**, I'm fully committed—with the ambition to bring both **technical value** and **meaning**.

I strongly value knowledge sharing: I regularly practice **pair programming**, informally train colleagues on my areas of expertise, write **internal tutorials**, and have led several **technical training sessions** within companies.

I'm also comfortable in **coordination roles**: I've led multi-actor projects, facilitated cross-functional working groups, and contributed to technical team structuring.

Technical Skills

- **Languages & Frameworks:** Python, JavaScript, TypeScript, React.js, Next.js, Redux Toolkit, Pyramid, Django
- **CI/CD & DevOps:** GitLab CI/CD (expert-level), Pytest, Docker, docker-compose, Nginx, SonarQube
- **API & Data:** REST, OpenAPI, PostgreSQL, Pydantic, django-ninja, FastAPI, Celery, Redis, RabbitMQ
- **UI/UX:** TailwindCSS, Material Design, HeroUI, Bootstrap
- **Monitoring:** Grafana, Prometheus, ELK Stack, Sentry
- **Linters:** Black, eslint

- **Project Management:** team leadership, agile workflow, tech meeting facilitation, cross-functional coordination
- **Collaboration & Ticketing Tools:** GitLab (issues, boards), Redmine, Mattermost, MediaWiki
- **Miscellaneous:** Jitsi-meet (RTC), Linux, Shell, OAuth2, MediaWiki



Best Practices

I rely on well-established practices: test-driven development (TDD), code coverage, living documentation, systematic code reviews, iterative delivery / agile management (Scrum/Kanban), DRY principles, fast MVPs, optimized CI/CD pipelines, etc.



Work Experience



Fullstack Developer / Lead Backend

Parsys Telemedicine

March 2024 – Present

- Functional specification in direct collaboration with project managers.
- Technical lead and mentoring of developers regarding architecture and best practices.
- Contribution to backend team organization.
- Backend development (Python, Pyramid, REST API) and codebase modernization.
- Integration of a connector for the **French Health Data Hub (ARS)**.
- CI/CD pipeline optimization with GitLab.
- Refactoring and technical documentation.
- Daily tech support, RTC module enhancements (Jitsi-meet stack).
- Software developments for **SMUR Île-de-France** public tender.
- Deployment of a **recording access server** for **Emirates'** long-haul teleconsultation fleet.
- Implementation of an **automated medical file allocation system** for **Doctors Without Borders (MSF)** at international scale.



DevOps Engineer / Senior Expert

Directorate of Technology & Innovation (DSNA)

November 2020 – May 2022

- “Accelerator” mission: promoting DevOps and agile practices.
- Transversal technical coach: support for teams adopting DevOps practices, pipeline redesign, and continuous delivery structuring.
- Organizational restructuring to promote continuous delivery.



Project Manager / Developer

Meet2Geek (side project)

September 2017 – April 2020

- Development of a matchmaking platform for gamers.

- Company incorporation, trademark registration, booth at Chartres video game convention.
- Multichannel communication (Discord, Twitter, Facebook).



Airspace Manager / Project Manager

Paris Area Control Center (CRNA Nord - DSNA)

September 2014 – November 2020

Airspace Manager (2014–2017)

- Airspace design, operational safety, civil/military coordination.
- Drafting of Letters of Agreement (LoAs) with French and foreign civil/military air traffic control units.
- Safety studies for airspace design and reorganization projects.

Digital Project Manager / Internal Developer (2017–2020)

(in addition to the above responsibilities)

- Redesign of internal documentation system (MediaWiki), internal process structuring.
- Supervision of internal webapps, co-design workshop facilitation.
- Implementation of technical standards and change management.
- Rollout of collaboration tools (Redmine, Mattermost, GitLab), agile management.



Education



ENAC (French Civil Aviation University)

2011 – 2014

- Engineering Degree in Computer Science & Air Traffic Management
- Master's in Research – Networks & Telecommunications



CPGE MP/PSI

2008 – 2011

- 1st at "Mines" entrance exam
- Accepted to Centrale, Supélec
- Accepted to Arts & Métiers








Languages

- **French:** native
- **English:** fluent
- **Spanish:** fluent (2 years spent in Latin America)



Projects & Interests

- **StravHop** (stravhop.com) – Interactive Strava activity visualizer with smooth time-based navigation ("hops").

- **The Silent Wonders** (thesilentwonders.com) – Ongoing social platform project showcasing positive actions without promoting ego.
- **stravawizard** ([pip installable](#)) – Python middleware/connector for Strava: OAuth handling, data retrieval, extensible.
- **Coinvest APP** ([GitLab repo](#)) – A responsive web application for tracking co-investment payments in property purchases. Built with Flask and modern responsive design principles.
- **resoltus** – SUTOM (French Wordle) command-line solver in Python.
- **Advent of Code** – Regular participation, puzzle solving “just for fun”.
- Volunteering as a tutor in my free time.
- 2 years traveling in Latin America () – trail running across the Andes 
- Enthusiast of slow travel and self-sufficient hiking.
- Regular trail & ultra-trail runner , skydiver , and light aviation pilot (including aerobatics) 
- Participated in 24h of Le Mans Roller (team).
- Former The North Face brand rep (Vieux Campeur – Paris).
- Woodworking: furniture building and restoration.