

# Constantin De La Roche

## Freelance Senior Full-Stack Engineer

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### SUMMARY

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Senior full-stack engineer specialising in Ruby on Rails, Python and JS frontend frameworks. I take products from blank repo to production: API design, complex front-end state, infra, and the unglamorous reliability work in between. Comfortable as the technical anchor on small teams. I ship AI-powered SaaS end-to-end.

### SKILLS

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Ruby on Rails · Python · PostgreSQL · Docker · Linux · Ubuntu · DevOps · Claude Code · GitLab CI/CD · LLM integration · Software Architecture · Frontend (Vue.js | Nuxt | React)

### EXPERIENCE

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#### Senior Full-Stack Developer

2025-present

Freelance · Toulouse, France · Remote

- Helping startups, SMEs and technical teams design, build and scale robust web applications — from backend architecture through to deployment and observability. With 9 years in tech (including co-founding and serving as CTO of a FinTech SaaS), I take ownership of the business stakes to deliver durable, end-to-end solutions rather than just shipping code.
- End-to-End Development: Design and delivery of SaaS products, APIs and complex interfaces.
- Architecture & Ops: Scalable infrastructure, observability and smooth CI/CD pipelines.
- AI-Augmented Productivity: Daily use of AI-native workflows (notably Claude Code agents) that handle triage, implementation and tests through to the Merge Request — delivering substantially higher velocity for clients at equivalent quality.
- Adaptable Posture: Able to step in as a senior individual contributor reinforcing a team, or as an autonomous Tech Lead on greenfield projects.

#### Full Stack Developer • Tech Lead

2024 — 2025

Estaly · Remote

- Drove feature velocity and reliability at an InsureTech startup across a complex platform (1 backend, 3 frontends).
- Architecture & Build: Reworked the Ruby on Rails architecture with robust patterns (ActiveInteraction, Pundit) to isolate business logic, and standardised frontend state management with Vuex.
- Quality & Run: Established a strong quality culture — standardised testing practices (Given/When/Then) and maintained Infrastructure as Code (Terraform / Heroku).
- Developer Experience: Rebuilt the local development environment (resolving cross-app authentication conflicts) so the team could work fluidly in parallel.
- Technical Leadership: Mentored developers, ran demanding code reviews, and helped structure our agile processes (ceremonies, role clarification).

#### Full Stack Developer

2021-2024

Kamatz · Remote

- Product development within an Agile freelance-marketplace startup. Joined a team of 6 senior developers to evolve an innovative freelance recruitment platform.
- Full Stack Development: Implemented new features on a modern stack (Ruby on Rails / Nuxt).
- Methodology: Applied strict Scrum methodology and development best practices.
- Infrastructure: Managed deployment and operations on AWS.

## Software Engineer

2021

CCL Consulting (Airbus) · Toulouse · Hybrid

- Cloud migration and Full Stack development for a critical environment. Worked at Airbus on the large-scale migration of workspaces to Google Workspace.
- Cloud Development: Designed and deployed applications on Google Cloud Platform (App Engine).
- Backend & Integration: Built APIs with Django REST Framework and managed message queues with RabbitMQ.
- Automation & Data: Scripted automation tools with PowerShell and managed MSSQL databases.

## Lead Developer & Technical Referent (NaaS)

2019-2020

Orange · Sophia Antipolis · Hybrid

- Designed, built and ran critical software for the new "Network as a Service" (NaaS) offering, after first working in the PaaS team. In a "You build it, you run it" environment, I acted as the bridge between software engineering and pure network engineering.
- Architecture & Critical Dev: Designed and developed APIs automating the configuration of physical network equipment (switches, load balancers) on a highly resilient microservices architecture (FastAPI, Redis, RabbitMQ).
- DevOps Culture: Automated deployments via GitLab CI/CD pipelines and orchestration on Docker Swarm.
- Leadership & Structuring: Acted as technical referent (Lead) within the network teams and helped create and structure a new team of developers dedicated to network APIs (mentoring, design patterns, code quality).

## Cofounder & CTO • Full Stack Developer

2017-2021

Botcrypto · Strasbourg · Remote

- Co-founded and led the technical vision of Botcrypto, a "No-code" crypto-trading automation SaaS — from student-entrepreneur to running a 5-person company.
- Critical Architecture: Built a platform handling users' money 24/7 — a high-performance Python trading engine (JSON RPC) interconnected with a robust Ruby on Rails backend and a Vue.js frontend.
- Infra & DevOps (from scratch): Set up and maintained a scalable, autonomous infrastructure — a Docker Swarm cluster on dedicated servers, orchestrated with Ansible, with GitLab CI/CD pipelines.
- Async Leadership: Recruited, managed and structured a 5-person team operating 100% asynchronously and fully remote.
- Traction: Scaled to 10,000+ registered users, handling ~\$1.5M in monthly execution volume on Kraken and Binance.

## EDUCATION

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### Réseaux & Télécoms - Infrastructures Numériques et Objets Communicants

2015 — 2018

Télécom Physique Strasbourg

### Master RISE - Réseau Informatique & Systèmes Embarqués

2016 — 2018

Université de Strasbourg

### MPsi/MP\* - Classe Préparatoire aux Grandes Écoles

2013-2015

Lycée Camille Guérin

## CERTIFICATIONS

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**CKAD: Certified Kubernetes Application Developer** The Linux Foundation July 2021

**AWS Certified Cloud Practitioner** AWS Aug 2021

## PROJECTS

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**ImmoDuo — AI-powered PropTech** Ruby on Rails / Hotwire (Turbo/Stimulus) / Claude / Kamal / Cloudflare

End-to-end PropTech SaaS built solo — and a real-world lab for the AI-native development workflows.

**CV.ai — AI resume builder (Open Source)** Claude / Next.js / React / Kamal

Fill in your profile once, paste a job offer, and get a tailored résumé, cover letter — with full application tracking.

**NoTypo — Educational spell-checker (Open Source)** [Ruby on Rails](#) / [React](#)

A spell-checker that doesn't just fix mistakes — memorises errors and explains the grammar rules behind them.

**Chef-Lieu — Geography quiz (Open Source)** [Django 6](#) / [HTMX](#)

A minimalist geography quiz built in one day to test the Django 6 + HTMX stack.

**Nosheet — Municipal project tracker (Open Source)** [Claude](#) / [Next.js](#) / [React](#) / [Kamal](#)

A local-first project and task tracker built as a purpose-made alternative to managing projects in a spreadsheet.

**Pingouin — Uptime monitor (Open Source)** [Claude](#) / [Python](#) / [React](#)

Probes your services every minute, displays a 48-hour uptime history, and sends daily email recaps.

**TrocOS — Time banking platform (Open Source)** [Ruby on Rails](#)

A self-hosted time-banking platform for communities where one hour of coding equals one hour of marketing.

**SummarZ — AI book summariser (Open Source)** [Mistral AI](#) / [Python](#) / [React](#)

A self-hosted web app that summarises PDF books chapter-by-chapter using AI.

## LANGUAGES

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French Native · English Fluent

## INTERESTS

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Moto · Kitesurf · CS2 · Piano · Vibe coding