



# Gabriel Fournier

## Software Engineer

### Telecommunications Engineer, INSA Lyon

Software & Blockchain Engineer available starting March 2026, seeking to drive digital transformation and technical innovation within ambitious, forward-thinking companies.

## Education

INSA Lyon | 2019 – 2022

### Master of Engineering in Telecommunications

Focus: Network Architecture, Signal Processing, Software Engineering.

Blaise Pascal High School | 2016 – 2019

### Preparatory Class for Scientific Grandes Écoles

## Experience

### 2022–2025 (4 years, ongoing)

iExec - Lyon

#### Blockchain Engineer

##### DevOps & Infrastructure Automation:

- Orchestrated the end-to-end lifecycle management of distributed networks using Docker and Jenkins, automating node deployment to ensure high availability.
- Migrated legacy infrastructure to Nethermind, optimizing system stability and long-term maintainability.
- Collaborated with DevSecOps to implement streamlined infrastructure rollouts and secure canonical bridges and validator nodes.

##### Smart Contract Engineering & Architecture:

- Engineered and maintained the iExec PoCo protocol smart contracts.
- Developed advanced Solidity modules, including the PoCo main contract, voucher systems, and LayerZero OFT interoperability.

##### Quality, Testing & CI/CD

- Designed and maintained CI/CD pipelines using GitHub Actions, Hardhat, and Foundry, implementing rigorous quality gates, automated unit/integration testing, and security analysis tools for continuous audit readiness.

### 2021 - 4 months

Coexya - Lyon

#### R&D Engineer (Mobile & Frontend)

- Designed and developed a mobile application prototype using React Native and TypeScript.
- Conducted technical state-of-the-art reviews to inform architectural decisions and wireframing.

## Side Projects

### Automated Trading & Analytics Systems | Stack: Go, TypeScript

- Developed multi-threaded backend services for real-time transaction streaming and wallet activity tracking.
- Implemented automated portfolio management and execution strategies with direct smart contract interaction.

### Real-Time Monitoring & Security Tools | Stack: Rust, Node.js

- Engineered high-performance backend tools for streaming alerts and detecting malicious patterns (scam protection).
- Built custom data scrapers and API integrations to feed real-time dashboards.

- Phone: +33781371069
- Email: gabriel.fournier.10@gmail.com
- Github: gfournieriExec
- LinkedIn: Oxgabriel
- Location: Lyon, France
- Website: <https://gabiwaxxx.github.io/en/>

## Skills

### • Programming

TypeScript / Node.js, Golang, Rust, Solidity, Vyper

### • Blockchain

EVM, smart contracts, Hardhat, Foundry, Geth, sidechains, Layer 2, zk concepts, The Graph

### • DevOps & Infrastructure

Docker, GitHub Actions, Jenkins, CI/CD, Linux, sidechain node management, monitoring tools

### • Tools & Practices

Git, code reviews, unit/integration testing, Agile/Scrum, security-aware development

## Interests

- Web3, Blockchain, EVM, ZKP
- Running, Trail
- Mountain, Ski, Hiking
- Indoor plants

## Courses

### • Cyfrin Updraft

Smart Contract Security - 2024  
Noir Programming - 2025

### • Encode Bootcamp

ZK Bootcamp - 2023

### • RareCode

Rust - 2025

## Hackathon

### • 2023 ETHGlobal Istanbul

Prizes UNICEF Innovation  
4th Place Mina Protocol

## Language

French - native

English - fluent (C1)

Spanish - fluent (C1)