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📍 Lyon, France

🌐 French

## Education

2019-2022

**INSA Lyon Engineer Degree :  
Telecommunications**

INSA Lyon

2016-2019

**Preparatory Class for  
Scientific Grandes Écoles**

Blaise Pascal High School

## Interests

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

## Skills

- **Adaptability**
- **Problem solving**
- **Web3**  
EVM, Solidity, Vyper, Hardhat, Foundry, Geth.  
Sidechain, Layer2, ZKP.  
Sidechain Node managment
- **Backend**  
NodeJS / Ts, Golang, Rust
- **Infra**  
Github, CI/CD, Jenkins, github actions, Docker

## Hackathon

- **2023 ETHGlobal Istanbul**  
Prizes UNICEF Innovation  
4th Place Mina Protocol

## Language

**French - native**

**English - fluent (C1)**

**Spanish - fluent (C1)**

# Gabriel Fournier

Blockchain Engineer

Telecommunications Engineer, INSA Lyon

## Experience

### 2022-2025 (4 years, ongoing)

iExec - Lyon

#### Blockchain Engineer

Contributed to the development, deployment, and continuous improvement of the iExec platform, focusing on both blockchain infrastructure and secure smart contract architecture.

- **Sidechain Infrastructure, Node, and DevOps Automation**
  - Orchestrated end-to-end deployment and lifecycle management of POA/sidechain networks (Bellecour) using OpenEthereum, later migrating to Nethermind for long-term reliability as OpenEthereum was deprecated
  - Automated sidechain node management through Dockerization and Jenkins, enabling seamless network relaunch and streamlined infrastructure rollouts in collaboration with DevSecOps.
  - Led deployment and configuration of critical stack components including canonical bridges, Netstats, Blockscout, validator nodes, archive nodes, and bootnodes.
- **Smart Contract Engineering & Architecture (PoCo)**
  - Engineered and maintained the iExec PoCo protocol's smart contracts.
  - Migrated proxy architecture from ERC-1538 to the more modular and scalable ERC-2535 Diamond Standard for extensibility and upgradeability.
  - Developed advanced Solidity modules: PoCo main contract, voucher systems, and LayerZero OFT interoperability.
  - Established a robust automated testing and deployment pipeline using Hardhat, Foundry, and GitHub Actions, integrating thorough unit/integration testing, code quality gates, and security CI tools for continuous audit readiness.
  - Designed and maintained The Graph subgraphs and deployment workflows, integrating rich on-chain analytics with off-chain data processing.

### 2021 - 4 months

Coexya - Lyon

#### R&D Intern Engineer - Mobile Application

- Conducted a market research and a state-of-the-art review,
- Proposed a wireframe,
- Designed a mobile application in React Native, TypeScript.

## Side Projects

### Blockchain Automation & DeFi Bots (TS, Golang)

Built multichain DeFi trading, token sniping, and portfolio automation bots in Go and TypeScript, featuring live transaction streaming, wallet activity tracking, and direct smart contract interaction for various strategies.

### Real-Time Web3 Monitoring & Scam Protection

Designed backend tools for streaming on-chain alerts, automated swap execution, and scam detection across EVM networks, ensuring rapid response to market events.

### Web Scrapping & API Automation

Developed custom scrapers and automation bots in Node.js, Rust, and Go for data extraction, social media automation, and API integration, supporting real-time blockchain analytics and event monitoring.

## Courses

### Cyfrin Updraft

Smart Contract Security  
Noir Programming

### Encode Bootcamp

ZK Bootcamp

### RareCode

Rust