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## 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)**

# 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.