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📍 Lyon, France
🌐 https://gabiwaxxxx.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
  Noir Programming
- **Encode Bootcamp**
  ZK Bootcamp
- **RareCode**
  Rust

Hackathon

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

Language

French - native

English - fluent (C1)

Spanish - fluent (C1)

Gabriel Fournier
Software Engineer | Backend & Blockchain

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.