



LOUIS HATTÉ

Full-stack Web3 Engineer

5 years of experience as a full-stack. I'm available for a full-time remote or hybrid role in Europe. Open to freelance. I can start immediately.

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Technical Skills

Main programming: TS Typescript  Solidity

Sub programming: Rust, Vyper, Python, Go, C, Bash, ASM

On-Chain: Foundry, Hardhat, Ethereum, OpenZeppelin, ChainLink, Alchemy, Infura, Erigon, Viem

Frontend: NextJS, React, Svelte, SASS, Tailwind, ShadcnUI, MaterialUI, React Native, Flutter

Backend: NodeJS, Apollo, REST, GraphQL, Sequelize, Prisma, PostgreSQL, Firebase, Redis, Minio, Docker

ML & Data Science: Tensorflow, Pytorch, Sklearn, Numpy, Pandas

Tooling: Git, Github, Gitlab, CI/CD, VSCode, Remix, Vim, MacOS, Linux

Languages: Français (Native), English (Advanced), Deutsch (Beginner), 코리안 (Beginner)

Projects

2025

Top 2/11,000 on Smart Contract Engineer, username: ehl

- **Completed advanced low-level programming challenges in Solidity, Rust and Vyper:** Demonstrated deep understanding of blockchain fundamentals, memory management, and gas optimization techniques

Top 3/9,000 on Ethernaut from OpenZeppelin, username: ehl, [Github](#)

- **Solved Ethernaut CTF security challenges in Solidity:** Completed OpenZeppelin's smart contract security capture-the-flag exercises, mastering vulnerability detection and exploit mitigation techniques

Built many on-chain projects

- Built an ERC-20 token
- Built multiple ERC-721 NFTs
- Created a DAI-like stablecoin, [Github](#)
- Made an ERC-20 token bridge, [Github](#)
- Crafted an ERC-4337 account abstraction wallet, [Github](#)
- Started an Etherscan like explorer

Experience

Full Stack Engineer - Lead role

2022 - 2025

Lamster | Besançon, France

Lamster develops specialised management solutions for hotel industry operations and workforce management.

- **Built hotel maintenance platform from scratch:** Developed Inara web application using React/TypeScript frontend and Node.js/GraphQL backend with PostgreSQL database, scaling to 50+ hotel clients and generating measurable revenue
- **Managed full-stack development lifecycle:** Oversaw complete technical architecture from frontend (React/Redux/AntDesign) to backend (Apollo/Sequelize) and mobile deployment (React Native), including server cost optimisation on Scaleway infrastructure
- **Led cross-platform mobile development:** Delivered native Android/iOS applications using React Native with Firebase Cloud Messaging for push notifications, enabling real-time maintenance updates for hotel staff
- **Implemented AI-powered pest recognition:** Created convolutional neural network using TensorFlow for automated pest detection and classification, reducing manual inspection time and improving maintenance response accuracy
- **Supervised technical team growth:** Mentored and managed multiple interns while collaborating directly with product managers and CTO on feature prioritisation, sprint planning, and technical decision-making through Jira workflows

Full Stack Engineer

2021, 6 months

Audiowizard | Lyon, France

AudioWizard provides management software solutions specifically designed for audioprosthesis.

- **Automated inventory synchronisation:** Developed automatic Hiboutik API integration script to synchronise product databases across 60+ client boutiques, eliminating manual updates and reducing data inconsistencies
- **Solved complex data management challenges:** Implemented solutions for duplicate product handling, ID mapping discrepancies, and client-specific business rules within the inventory system, improving data integrity
- **Contributed to React/TypeScript frontend:** Developed features for the web application used by audioprosthesis to manage clients, appointments, inventory, and statistics with focus on user interface clarity
- **Collaborated in remote-first environment:** Participated in daily standups and cross-functional teamwork with 15-person team including developers, support staff, and business stakeholders using Discord-based communication

IoT Developer

2019, 4 months

Prediktas | Lyon, France

Prediktas is a startup developing predictive maintenance solutions with autonomous connected sensors.

- **Developed 3 solutions:** Created sensor firmware across three different technologies (TI RTOS, ESP, nRF), ensuring optimal performance and low energy consumption for autonomous sensor operation
- **Enhanced data collection system:** Rebuilt collector software with state machine architecture to receive Bluetooth measurements from sensors and transmit via Sigfox/LoRa protocols, extending operational range to tens of kilometers
- **Optimized hardware integration:** Implemented low-level C programming for binary operations, register management, and communication protocols (SPI, I2C), enabling efficient sensor-to-microprocessor data transfer

Full Stack Engineer

2017, 6 months

Lizeo Group | Lyon, France

Lizeo is a data intelligence company specialising in tire market analytics for consumers and manufacturers globally.

- **Full-Stack Development on Rezulteo v2:** Developed consumer-facing features for tire comparison platform using Scala (backend) and Polymer (frontend), contributing to a site serving millions of European consumers seeking tire purchasing guidance
- **UK Market Data Integration:** Built comprehensive data matching system connecting ~48,000 UK cities with 65,000 tire service stations, creating geolocation-based recommendations that enhanced user experience and market coverage
- **Back-Office Management Tool Creation:** Led end-to-end development of Rzv2-Cities-BackOffice project, creating database management interface for market managers to manually curate city-station relationships, improving data quality and potential for B2B sales

Pedagogical Assistant in Digital School

2017 - 2019

Epitech | Lyon, France

Epitech is the French tech school where I studied, focused on project-based learning in computer science and innovation.

- **Mentored programming students:** Provided technical guidance to 400+ students on C programming projects using Socratic questioning methodology, improving student self-confidence and debugging capabilities through individualized support rather than direct solutions
- **Collaborated in educational team:** Worked with 20-member interdisciplinary teaching staff through regular pedagogical meetings and curriculum coordination, enhancing educational delivery and establishing standardized mentoring approaches

Education

Master's Degree in Computer Science

Epitech, Lyon

2016-2021

Student in South Korea

Chung Ang University, Seoul

2019-2020

Certificates

Docker certificate Dyma

2023

Introduction to AI with Python Harvard

2022

Build Web Apps with React and Firebase Shaun Pelling

2021

Blockchain Developer Bootcamp Dapp University

2020