



LOUIS HATTÉ

Full-stack Web3 Engineer

5 years of experience as a full-stack engineer, transitioning to Web3. I'm available for a full-time remote or hybrid role in Europe. 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)

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

AudioWizard provides management software solutions specifically designed for audioprosthetists.

- **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 audioprosthetists 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

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

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

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	Student in South Korea
Epitech, Lyon	Chung Ang University, Seoul
2016-2021	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