

# Solène PETTIER

## Full-stack Blockchain Engineer

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## PROJECTS

### DeFi - DEXes - Insurance

- **Kadena** (TVL) Kinesis bridge, powered by the **Hyperlane** protocol enables secure asset transfers between the multiple Kadena's blockchains and other blockchains.
- **Dollet Wallet** integration of external DeFi protocols, DEXes and Oracles to allow user to maximise their asset's yield.
- Orderbook-based perpetual DEX enabling execution of long/short market and limit orders (opening, updating and closing positions).
- **DEIN / Bridge Mutual** (TVL) a decentralised platform allowing users to participate in a community-driven approach to insurance.

### Atomic decentralised features

[Linear Vesting](#) - [Reentrancy hack](#) - [Multichain Bridge](#)

## SKILLS

### BLOCKCHAIN

Solidity - Truffle - Hardhat - Foundry - Web3.js - Ethers.js  
- OpenZeppelin - EVM chains - Oracle - DeFi - NFT

### FRONT

HTML - CSS - React.js - Chakra UI - Bootstrap

### BACK

Node.js - Express - MySQL - PostgreSQL - JavaScript - TypeScript - API

### MATHEMATICS

Algebra - Geometry - Statistics

## EXPERIENCE

2021 -  
PRESENT

### Blockchain Developer

Ideasoft - Remote

- **Smart Contract Development:** Create secure smart contracts using Solidity for dApps.
- **Code Optimization:** Improve contract performance to lower gas fees and enhance transaction efficiency.
- **Testing and Auditing:** Conduct thorough testing and auditing to identify and fix vulnerabilities.
- **Collaborative Development:** Collaborate with UI/UX designers and back-end to integrate smart contracts into dApps.
- **Documentation and Support:** Develop comprehensive documentation to aid maintenance and knowledge transfer.

2016 - 2020

### Functional & Technical Consultant ERP

Fitnet Manager - Barcelona, Spain  
Bouygues Telecom - Paris, France  
Trobz, Hô-Chi-Minh-City, Vietnam

- **System Configuration:** Customize the IT system to meet client needs.
- **Technical Expertise:** Provide in-depth knowledge of the software and integrations.
- **Implementation Support:** Assist with planning and deployment for smooth transitions.
- **Troubleshooting:** Diagnose and resolve technical issues for reliability.
- **Documentation and Training:** Create documentation and train users effectively.
- **Team Management:** Animate meetings and assign resources within the Agile framework.

## EDUCATION

2021

### Full Stack Blockchain Developer

Alyra School - Paris, France

Comprehensive training in blockchain technology and decentralized application (dApp) development, covering front-end and back-end development, smart contract deployment, and hands-on project experience.

2013 - 2016

### MSc Information Technology Engineer

Nacitional Superior School of Mines - Albi, France

Advanced training in the integration of information technology and logistics management, focusing on systems analysis, data management, and optimisation techniques to enhance operational efficiency and solve supply chain problematics.

2011 - 2013

### Intensive course of Mathematics & Physics

Michelet Hightschool - Paris, France

Rigorous two-year developing a strong foundation in advanced mathematics, physics, and computer science, significantly enhancing analytical and problem-solving skills in preparation for future academic and professional challenges.