

# Andres Felipe Velasquez Trujillo

## Senior Blockchain & Full Stack Engineer

### SUMMARY

- Blockchain & Full Stack Engineer with 7+ years of experience specializing in Solidity smart contract development, DeFi infrastructure, and scalable Web3 applications using Foundry, Hardhat, and OpenZeppelin.
- Proficient in frontend and backend technologies including React, React Native, TypeScript, Node.js, Ruby on Rails, and PostgreSQL, secure fintech and decentralized platforms.
- Expertise in smart contract security analysis and testing methodologies such as fuzz testing, invariant testing, and static analysis tools like Slither and Aderyn.
- Strong foundation in mathematics and computer science, supported by formal education and continuous blockchain security training.

### TECHNICAL SKILLS

|                                                 |                                                                                                                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main Technical Skills</b>                    | Solidity (4 yr.), React (4 yr.), TypeScript (4 yr.), Ruby on Rails (4 yr.)                                                                                                                   |
| <b>Programming Languages</b>                    | JavaScript (5 yr.), Python, Solidity (4 yr.), TypeScript (4 yr.)                                                                                                                             |
| <b>JavaScript Libraries and Tools</b>           | Ethers.js (4 yr.), React Native (4 yr.), Redux-Saga, Web3.js (4 yr.)                                                                                                                         |
| <b>JavaScript Frameworks</b>                    | Express (4 yr.), Ext JS, React (4 yr.)                                                                                                                                                       |
| <b>Ruby Frameworks</b>                          | Ruby on Rails (4 yr.)                                                                                                                                                                        |
| <b>Databases &amp; Management Systems / ORM</b> | PostgreSQL (4 yr.)                                                                                                                                                                           |
| <b>UI Frameworks, Libraries, and Browsers</b>   | Material UI, Tailwind CSS (2 yr.)                                                                                                                                                            |
| <b>Blockchain and Decentralized Software</b>    | Brownie (4 yr.), Chai (4 yr.), Ethers.js (4 yr.), Foundry (2 yr.), Hardhat (3 yr.), MetaMask (4 yr.), OpenZeppelin (4 yr.), RainbowKit (2 yr.), Truffle (2 yr.), Viem (2 yr.), WAGMI (2 yr.) |
| <b>Methodologies, Paradigms and Patterns</b>    | FDD (5 yr.)                                                                                                                                                                                  |
| <b>QA, Test Automation, Security</b>            | Mocha (4 yr.), Unit Testing (2 yr.), Usability tests (2 yr.)                                                                                                                                 |
| <b>SDK / API and Integrations</b>               | RESTful API (4 yr.)                                                                                                                                                                          |
| <b>Other Technical Skills</b>                   | Financial Services (4 yr.), InterPlanetary File System, Slither (2 yr.)                                                                                                                      |

## WORK EXPERIENCE

### Blockchain Engineer - Investment Armendariz (DeFi Infrastructure for Governance and Treasury Management)

**Duration:** Aug 2025 – Present

**Summary:**

- Development of decentralized finance (DeFi) infrastructure focusing on governance systems, treasury management, vault architecture, and on-chain operational controls
- The project aims to build secure and modular DeFi protocols using modern Ethereum tooling

**Responsibilities:**

- Develop Solidity smart contracts using Foundry-based workflows and modular protocol architecture.
- Implement frontend architecture using React, TypeScript, wagmi, viem, RainbowKit, and TailwindCSS.
- Build comprehensive testing suites including unit tests, fuzz testing, invariant testing, and stateful testing workflows.
- Perform security analysis using Slither and Aderyn, applying secure Solidity development practices and protocol optimization.

**Technologies:** Solidity, Foundry, React, TypeScript, wagmi, viem, RainbowKit, TailwindCSS, Slither, Aderyn

### Full Stack Developer - Vita Wallet (Fintech Web and Mobile Applications)

**Duration:** Aug 2021 – Nov 2025

**Summary:**

- Development of fintech web and mobile applications integrating financial APIs, banking systems, blockchain services, Binance services, and international payment providers
- The project focused on scalable payment workflows and financial platform features

**Responsibilities:**

- Developed fintech web and mobile applications using Ruby on Rails, React, React Native, and JavaScript.
- Integrated financial APIs, banking systems, blockchain services, Binance services, and international payment providers.
- Implemented scalable backend and frontend features for payment workflows and financial platforms.
- Built testing workflows improving platform reliability, maintainability, and stability.
- Collaborated on secure financial application architecture and API integration processes.

**Technologies:** Ruby on Rails, React, React Native, JavaScript

## Blockchain & Smart Contract Engineer (Independent Blockchain Projects)

**Duration:** Jul 2021 – Present

### Summary:

- Development of decentralized applications (dApps), NFT systems, ERC-20/ERC-721 token standards, and smart contracts
- Projects include blockchain healthcare platform architecture with subscription systems and tokenized services, NFT minting systems, decentralized voting applications, and blockchain lottery platforms

### Responsibilities:

- Developed smart contracts using Solidity and implemented NFT minting systems and decentralized voting applications.
- Built blockchain healthcare platform architecture with subscription systems and tokenized services.
- Integrated MetaMask, Ethers.js, Web3.js, OpenZeppelin, IPFS, and React-based Web3 interfaces.
- Worked with Hardhat, Truffle, Chai, and smart contract testing workflows focused on secure Solidity development.

**Technologies:** Solidity, Hardhat, Truffle, Chai, Ethers.js, Web3.js, OpenZeppelin, IPFS, React

## EDUCATION

- **Cyfrin Updraft**  
Smart Contract Security & Blockchain Engineering  
2024 – 2025
- **Universidad de Antioquia**  
Mathematics  
2014 – 2021
- **Henry**  
Full Stack Web Development  
2021
- **Platzi**  
Blockchain & Cryptocurrency School  
2021 – 2022