

Andres Felipe Velasquez Trujillo

Senior Blockchain & Full Stack Engineer

SUMMARY

- Blockchain & Full Stack Engineer with 4+ years of experience developing DeFi systems, smart contracts, and scalable Web3 infrastructure using Solidity, Foundry, Hardhat, and Ethereum.
- Proficient in frontend and backend technologies including React, React Native, Node.js, Ruby on Rails, TypeScript, and PostgreSQL, integrated fintech and decentralized applications.
- Expertise in smart contract security, testing methodologies (fuzz, invariant, stateful), and security tools like Slither and Aderyn, ensuring robust and secure protocol development.
- Hands-on experience building governance systems, treasury management, NFT platforms, and payment integrations with financial APIs and blockchain wallets.

TECHNICAL SKILLS

Main Technical Skills	Solidity (4 yr.), React (4 yr.), TypeScript (4 yr.), Ruby on Rails (4 yr.)
Programming Languages	JavaScript (5 yr.), Solidity (4 yr.), TypeScript (4 yr.)
JavaScript Libraries and Tools	Ethers.js (3 yr.), React Native (4 yr.), Redux-Saga, Web3.js (2 yr.)
JavaScript Frameworks	Express, Ext JS, React (4 yr.)
Ruby Frameworks	Ruby on Rails (4 yr.)
Databases & Management Systems / ORM	PostgreSQL (4 yr.)
UI Frameworks, Libraries, and Browsers	Material UI, Tailwind CSS (2 yr.)
Blockchain and Decentralized Software	Brownie (2 yr.), Chai (2 yr.), DeFi (4 yr.), ERC-20 (2 yr.), ERC-721 (2 yr.), Ethers.js (3 yr.), Foundry (2 yr.), Hardhat (2 yr.), MetaMask (2 yr.), OpenZeppelin (3 yr.), RainbowKit (2 yr.), Smart Contract (4 yr.), Truffle (1 yr.)
QA, Test Automation, Security	Mocha (2 yr.), Unit Testing (2 yr.), Usability tests (2 yr.)
SDK / API and Integrations	RESTful API (4 yr.)
Other Technical Skills	Financial Services (4 yr.), InterPlanetary File System, Slither (2 yr.), Viem (2 yr.), WAGMI (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 smart contract protocols to support decentralized governance and financial operations

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 building scalable payment workflows and financial platforms to enhance user experience and reliability

Responsibilities:

- Developed frontend and backend features using Ruby on Rails, React, React Native, and JavaScript.
- Integrated various financial APIs and blockchain services to support payment workflows.
- Built testing workflows to improve 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 – Aug 2022

Summary:

- Development of decentralized applications (dApps), NFT systems, ERC-20/ERC-721 token standards, and smart contracts



- Projects included a blockchain healthcare platform with subscription systems and tokenized services, NFT minting systems, decentralized voting applications, and blockchain lottery platforms

Responsibilities:

- Developed smart contracts using Solidity and implemented blockchain standards ERC-20 and ERC-721.
- Built blockchain healthcare platform architecture with subscription and tokenized services.
- Implemented NFT minting systems, decentralized voting applications, and blockchain lottery platforms.
- 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

