ANDRES CABRERA

Email: andrewcabs17@gmail.com | **LinkedIn:** linkedin.com/in/andrescabsi
Phone: +1 (929) 599-6360 | **Location:** New Jersey (local to NYC / relocation-ready)

Blockchain engineer with 12+ years building high-scale trading platforms and DeFi infrastructure. Architected smart contracts and backend systems powering $50M+ in digital asset flows. Deep expertise in Solidity, EVM, and Cosmos SDK, with full lifecycle ownership from architecture to audit and deployment. Passionate about market design, UX abstraction in trading, and secure, high-performance distributed systems. Recognized for GenAI innovation by Stanford PhDs and NYU neuroscientists. Currently ramping into Rust for backend systems.

RECOGNITION

- **President Obama – Young Leaders of the Americas (2016):** Recognized for neural network disease detection.
- **Denmark Technical University – Young Influencer (2019):** Represented the Americas at the C40 World Mayors Summit.
- **NY Tech Week Recognition (2025):** Highlighted by Stanford PhDs and NYU neuroscientists for AI memory architecture enabling multidimensional memory context reasoning.

CORE COMPETENCIES

- **Smart Contract Engineering (Solidity / EVM)**
  - Designed and deployed multi-chain smart contracts for OTC trading, bridging, and wallet infra (Cosmos SDK, EVM, Stellar, Algorand).
  - Gas-optimized Solidity contracts with MEV mitigation, zero security incidents.
  - Architected no-code Solidity deployment platform (AstraKode) enabling 1K+ monthly contract launches.
  - Led full lifecycle: architecture, audit prep, deployment, and monitoring.
- **DeFi Systems & Market Infrastructure**
  - Built P2P trading platform managing $50M+ in tokenized RWAs.
  - Integrated swap, bridge, and wallet logic across Cosmos SDK and EVM chains.
  - Delivered real-time blockchain data platform for dYdX, Uniswap, and Livepeer ($1B+ TVL tracked).
  - Reduced transaction costs 40% and improved UX latency for high-frequency trading flows.
- **Backend Architecture & Distributed Systems**

- - Built multithreaded data lake for real-time mainnet indexing (MongoDB, Redis, Celery).
    - Delivered HIPAA-compliant infra handling 1M+ daily transactions with 99.99% uptime.
    - Architected serverless infra with full IaC (CloudFormation, AWS) and Stripe integration.
    - Prototyped GenAI memory layers with 100K+ token context and <300ms latency pipelines.
- **Startup Velocity & Security Engineering**
    - Founder of Vessel: built GenAI infra recognized at NY Tech Week.
    - Led engineering scale-up from 50 to 250+ engineers at EverlyHealth.
    - Implemented KYC, access control, and OpenZeppelin-based security protocols.
    - Delivered zero-to-one products securing Series A and C funding.

EXPERIENCE

Vessel · Founder / Independent Research Project

May 2025 – Present

- Prototyped GenAI apps and AI infrastructure using LangGraph, Graphiti, Temporal.io.
- Architected AI memory layer enabling contextual reasoning across 100K+ tokens.
- Built real-time voice AI pipelines with <300ms latency using Cartesia, Deepgram, ElevenLabs.

Realio · Full-Stack Blockchain Engineer

June 2023 – May 2025 | $50M+ Platform Assets

- Delivered multi-chain smart contracts (EVM, Cosmos SDK, Stellar, Algorand) with wallet and smart wallet interactions of applications with audit-ready architecture using ERC-1404/20/721/4626
- Built decentralized OTC trading and bridging new and legacy systems from scratch.
- Implemented MEV mitigation strategies, reducing gas costs by 40%.
- Engineered automated KYC, KYB and Accredited Investor workflows integrating DocuSign for multi-chain compliance.

IfThen · Full-Stack Software Architect (Contract)

Jan 2023 – June 2023

- Built multilingual animated React for Coca-Cola's "What the Fanta" Halloween Campaign + AEM portal across 44 countries.
- Increased engagement 45% via UX and localization optimizations + China.

EverlyHealth · Senior Software Engineer (Contract)

Jan 2022 – Jan 2023 | $1B+ Valuation

- Led telehealth features handling 1M+ daily transactions with 99.99% uptime.
- Reduced costs by $2M annually, increased revenue 15%.

AstraKode Blockchain · Software Architect (Contract)

Jan 2021 – Jan 2022

- Architected no-code Solidity platform enabling 1K+ contract deployments/month.
- Achieved 100% infra-as-code (CloudFormation, AWS).

Scout.cool Blockchain · Principal Engineer

Apr 2019 – Jan 2021

- Built EVM Block Explorer platform serving dYdX, Livepeer, Uniswap ($1B+ TVL tracked).

Belatrix Software · Lead Engineer - Blockchain

Jun 2017 – Apr 2019

- Built AI image generation using Deep Convolutional GANs.

MDS Digital · Frontend Engineer

Oct 2014 – Jun 2017

- Built early AI sentiment analysis. Projects for Coca-Cola, Disney, ESPN.

DJES · Web Engineer

Apr 2013 – Oct 2014

TECHNICAL OWNERSHIP PROJECTS

https://github.com/andrescabsi14/colcoffee

https://github.com/andrescabsi14/NotaryDApp

https://github.com/andrescabsi14/CustomBasicBlockchain

https://github.com/andrescabsi14/FlightSurety

EDUCATION

High School Diploma - Colegio Franciscano del Virrey Solis, Bogota, Colombia (2007)