ANDRES CABRERA

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

Blockchain engineer with 12+ years building high-scale trading and DeFi platforms. Architected smart contracts and backend systems powering $50M+ in digital asset flows. Obsessed with market design, attention-as-asset models, and UX abstraction in consumer trading. Recognized by Stanford PhDs and NYU neuroscientists for GenAI innovation.

RECOGNITION

- **President Obama Young Leaders of Americas (2016)** - Neural network disease detection
- **Denmark Tech University Young Influencer (2019)** - America representative to world leaders at C40 Summit

---

SMART CONTRACT ENGINEERING (SOLIDITY / EVM)

Realio (2023-2025): Delivered multi-chain smart contracts (EVM, Cosmos SDK, Stellar, Algorand) with full lifecycle ownership—architecture, audit prep, deployment, and monitoring. Reduced gas costs 40% and implemented MEV mitigation strategies.

AstraKode (2021-2022): Architected no-code Solidity deployment platform enabling 1K+ monthly contract launches. Led full contract lifecycle from architecture to monitoring.

Scout.cool (2019-2021): Engineered smart contract integrations for Block Explorer serving dYdX, Uniswap, Livepeer ($1B+ TVL tracked).

DEFI SYSTEMS & MARKET INFRASTRUCTURE

Realio: Built P2P trading platform with $50M+ in tokenized RWAs. Deep familiarity with DeFi primitives including perpetuals, swaps, and CLOB architecture. Explored UX abstraction and trend trading flows.

Scout.cool: 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.

Belatrix: Built AI-powered trading signal systems processing 1M+ data points daily for pattern recognition.

BACKEND ARCHITECTURE & DISTRIBUTED SYSTEMS

AstraKode: Built distributed backend systems with serverless architecture and async queues. Mitigated race conditions in high-throughput deployment pipelines. Learning Rust; previously built production systems in Python and TypeScript.

Scout.cool: Built multithreaded data lake for real-time mainnet indexing (MongoDB, Redis, Celery). Engineered high-performance blockchain data platform processing real-time mainnet data.

Vessel: Prototyped GenAI memory layers with 100K+ token context and <300ms latency pipelines using LangGraph, Graphiti, temporal.io.

EverlyHealth: Delivered HIPAA-compliant infra handling 1M+ daily transactions with 99.99% uptime. Architected serverless infra with full IaC (CloudFormation, AWS).

SECURITY & STARTUP VELOCITY

Security Engineering:

- Implemented OpenZeppelin-based access control and audit-ready contract architecture (Realio)
- Collaborated with security researchers to validate smart contract logic pre-deployment
- Zero security incidents managing $50M+ digital assets
- Engineered automated KYC workflows with advanced DocuSign integrations

Startup Builder:

- Zero-to-one builder across blockchain and GenAI startups
- Founder of Vessel: built GenAI infra recognized at NY Tech Week
- Delivered investor-grade technical demos securing Series A/C funding
- Led engineering scale-up from 50 to 250+ engineers at EverlyHealth
- Founder-calibrated velocity with hands-on ownership

EXPERIENCE

Vessel · Independent Research Project / Founder

May 2025 – Present Prototyped Gen AI apps and AI infrastructure at scale—earning recognition from Stanford PhDs and NYU neuroscientists at NY Tech Week.

Realio · Full-Stack Blockchain Engineer

June 2023 – May 2025 | $50M+ Platform Assets Spearheaded full-stack development, building decentralized OTC trading and multi-chain bridging from scratch—advancing RWA tokenization at global scale.

IfThen · Full-Stack Software Architect [Contract]

January 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]

January 2022 – January 2023 | $1B+ Valuation Led feature development for telehealth platform processing 1M+ users. Reduced costs $2M+ annually, increased revenue 15%.

AstraKode Blockchain · Software Architect [Contract]

January 2021 – January 2022 0→1: Architected no-code Solidity platform, building world-class AWS infrastructure that secured Series A funding.

Scout.cool Blockchain · Principal Engineer

April 2019 – January 2021 Led Block Explorer serving dYdX, Livepeer, Uniswap ($1B+ TVL tracked). Hired and mentored 6 engineers.

Belatrix Software · Lead Engineer - Blockchain

June 2017 – April 2019 0→1: Built AI image generation using Deep Convolutional GANs. Led UI architecture for blockchain startup ($5M seed).

MDS Digital · Frontend Engineer

October 2014 – June 2017 Built early AI sentiment analysis. Projects for Coca-Cola, Disney, ESPN.

DJES · Web Engineer

April 2013 – October 2014 Built digital experiences for SMBs using WordPress, Django REST APIs.

TECHNICAL SKILLS

Tech Stack: Solidity, EVM, Cosmos SDK, Python, NodeJS, TypeScript, Kubernetes, Docker, Redis, MongoDB
DeFi: Perpetuals, Swaps, Bridges, CLOB, AMM, Lending Protocols
Rust: Currently ramping into Rust for backend systems

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)