

# JOSEPH EVANS

## Senior Full Stack Software Engineer

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## EXPERIENCE

### Senior Full Stack Software Engineer

#### SoluLab

04/2022 - Present Los Angeles, CA

- Led Next.js (App Router, SSR/ISR) front ends for minting, swaps, and portfolio; React Query, Zustand, and Storybook drove fast, consistent UX.
- Built DEX trade and liquidity UIs with optimistic updates, slippage controls, and deep-linkable modals; sustained green Core Web Vitals.
- Implemented wallet connectivity (WalletConnect v2, injected, Ledger/Trezor) and session rehydration; hardened SIWE and chain-switch flows.
- Authored Solidity contracts (OpenZeppelin) for token, vesting, and allowlist sales; added EIP-2612 permits and upgrade safety via UUPS.
- Wrote Rust (Anchor) programs for staking/rewards on Solana; applied PDA patterns, checked rent-exempt balances, and minimized compute units.
- Shipped Node.js services for swaps/quotes with provider routing (Jupiter/1inch/0x), price impact calc, and circuit-breaker failsafes.
- Built Python web3 indexers (web3.py/ethers.py/SQLAlchemy) that decode events, backfill blocks, and fan-out to SQS; materialized views in PostgreSQL.
- Integrated third-party infra: Alchemy/Infura/QuickNode RPCs, The Graph subgraphs, Etherscan APIs, Covalent analytics, and Chainlink price feeds.
- Implemented secure fiat on-ramp/off-ramp flows (Coinbase Commerce, Stripe) with webhook signature verification and idempotent retries.
- Deployed to AWS/GCP with Docker/Terraform; GitHub Actions matrices (lint/test/typecheck/e2e) and canary releases; alerts via Datadog and Sentry.
- Drove security posture: Foundry/Slither checks in CI, access-controlled admin ops, secrets rotation, and signed metadata pipelines.

### Software Engineer

#### PieSoft

02/2018 - 03/2022 Bethlehem, PA

- Rebuilt Angular trading terminals (NgRx, CDK overlays) and React NFT dashboards (Redux Toolkit) with virtualized lists and skeleton states.
- Created Vue analytics for token distribution and LP health; D3/Recharts visualizations over ClickHouse/PostgreSQL.
- Developed Node.js API gateway (NestJS) aggregating quotes, gas estimations, and portfolio balances; enforced rate limits and cache keys in Redis.
- Implemented Python services for NFT metadata fetch/resize, IPFS pinning (Pinata/Web3.Storage), and trait rarity scoring.
- Authored Solidity sale contracts (Dutch/English auctions) with Merkle proofs; integrated OpenZeppelin Defender for timelocked operations.

## SUMMARY

- Product-minded full-stack engineer delivering web3 consumer and trading apps with polished React/Next.js, Angular, and Vue front ends.
- Backend focus on Node.js and Python for APIs, indexers, and on-chain/off-chain orchestration.
- Hands-on smart-contract work in Solidity and Rust with secure upgrade patterns, audits, and gas-efficient design.
- Proven ownership of blockchain integrations (RPCs, wallets, bridges, analytics) with automated CI/CD on AWS and GCP.

## SKILLS

### Frontend

React, Next.js (App Router, SSR/ISR), Angular (RxJS, NgRx, CDK), Vue 3 (Composition API, Pinia), TypeScript, Tailwind, Storybook, Playwright/Cypress, D3/Recharts, a11y (WCAG 2.1 AA)

### Backend & Blockchain

Node.js (NestJS/Express), Python (FastAPI/Flask), Solidity (OpenZeppelin, Foundry/Hardhat), Rust (Anchor/Solana), GraphQL/REST, web3.js/ethers.js, web3.py, gRPC, event/indexer services, JWT/SSO, SIWE

### Databases & Caches

PostgreSQL, MySQL, MongoDB, Redis, ClickHouse, Elasticsearch

### Cloud & CI/CD

AWS, GCP, Docker, Terraform, GitHub Actions, Jenkins, CircleCI, Datadog, Sentry, OpenTelemetry

### Blockchain Integrations

Alchemy, Infura, QuickNode, The Graph, Etherscan, Covalent, Chainlink, WalletConnect, Ledger/Trezor, Coinbase Commerce, Stripe, IPFS (Pinata/Web3.Storage)

## EXPERIENCE

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- Added event indexers (Python + web3.py) to track mints/transfers across chains; ensured reorg safety with confirmations and backfill windows.
- Wired The Graph subgraphs and REST fallbacks; normalized responses for front ends to reduce over-fetching and client CPU.
- Established CI/CD with GitHub Actions and CircleCI (unit/e2e, Foundry tests, gas snapshots) and Dockerized environments for parity.

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### Frontend Engineer

#### Matellio

📅 01/2015 - 01/2018    📍 San Jose, CA

- Delivered React/Next.js modules for wallet onboarding, token lists, and activity feeds; accessibility and keyboard flows validated in Playwright.
- Built Angular admin consoles (NgRx) for treasury operations and allowlists; role-based feature gating and audit trails.
- Shipped Vue 3 + Pinia dashboards for validator metrics and bridge status; server-side rendering for SEO on project landing pages.
- Implemented Node.js webhook processors for mint events and refunds; added HMAC verification and exponential backoff queues.
- Prototyped Python data preparation for price/volume aggregation and anomaly detection; exported features to the UI via typed SDKs.
- Integrated RPC providers and Etherscan APIs; improved TTFB with response shaping and server-driven pagination.
- Standardized TypeScript, ESLint, Storybook, and performance budgets; reduced regressions with visual snapshots and bundle-size guards.

## EDUCATION

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### Bachelor of Science in Computer Science

#### Baylor university

📅 08/2010 - 05/2014    📍 Waco, TX