JOSEPH EVANS

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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.

Professional Experience

Senior Full Stack Software Engineer
SoluLab, Los Angeles, CA
April 2022–Present

- 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, Bethlehem, PA
February 2018–March 2022

- 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 ops.
- 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.

Frontend Engineer
Matellio, San Jose, CA
January 2015–January 2018

- 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 ops and allowlists; role-based feature gating and audit trails.
- Shipped Vue 3 + Pinia dashboards for validator metrics and bridge status; SSR 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 prep 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.

Key Strengths

- Product-first UI engineering with measurable performance and usability outcomes
- Secure smart-contract delivery with robust tests, audits, and upgrade strategies
- Reliable APIs and indexers with graceful degradation and high observability
- Clear documentation, design-system stewardship, and cross-team collaboration

Technical 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)

Education

BAYLOR UNIVERSITY, Waco, TX
August 2010 - May 2014

Bachelor of Science in Computer Science