

Julian Martinez

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PROFESSIONAL SUMMARY

Full stack engineer with 5+ years of experience building end-to-end applications across AI agent systems, Web3 protocol integrations, and developer tooling. Delivers complete product solutions — from Next.js frontends and FastAPI backends to TypeScript SDKs, smart contracts, and blockchain infrastructure. 80+ merged pull requests across 12+ major open-source organizations including OKX, Enkrypt, Stellar, Avalanche, SendAI, ElizaOS, and Foundry. Published npm SDK sustaining approximately 1,000 downloads per week.

CORE COMPETENCIES

Full Stack Development (TypeScript, Python, Next.js, FastAPI) • AI Agent & LLM Integration • SDK & API Design • Smart Contract Development (Solidity, Rust/Soroban) • Web3 Frontend Integration (Web3.js, Ethers.js, Metamask) • Multi-Chain Protocol Engineering • Open-Source Development • Automated Testing & CI/CD

PROFESSIONAL EXPERIENCE

Senior Full Stack Engineer | OKX, San Francisco, CA | September 2024 – September 2025

- Architected and shipped the OKX DEX SDK — a TypeScript/JavaScript library with full type coverage for OKX's DEX API across EVM, Solana, SUI, and TON — with merged PRs into the official `okx/okx-dex-sdk` and `okx/WEB3-DEX-Deprecated` repositories, adopted by thousands of developers and sustaining approximately 1,000 downloads per week on npm.
- Led full stack OKX DEX API integration into Enkrypt Wallet (PR #726 adding OKX provider, PR #730 fixing OKX transaction handling) and Phantom Wallet, implementing backend swap logic and frontend flows across EVM, Solana, and SUI for millions of combined wallet users.
- Contributed merged PRs into the SendAI Solana Agent Kit (#310, #414) and ElizaOS plugins registry (#3, #73), integrating OKX DEX swap capabilities directly into major AI agent runtimes and opening an AI-native distribution channel for the protocol.
- Authored official OKX developer documentation for Solana, EVM, SUI, and TON swap integrations paired with working reference implementations, serving as the primary onboarding path for developers building on OKX DEX.

Senior Full Stack Engineer | Stellar Development Foundation, San Francisco, CA | May 2023 – September 2024

- Contributed 50+ merged PRs across the Stellar ecosystem — `stellar/stellar-docs`, `stellar-deprecated/soroban-docs`, `stellar/soroban-dapps-challenge`, `stellar/soroban-examples`, and `stellar/soroban-quest` — authoring the Soroban smart contract platform documentation, Solidity-to-Rust migration guides, SDK references, and interactive dApp challenges that shipped with the Soroban mainnet launch.
- Wrote technical deep-dives including Essential Guide to Rust Development and Rust vs. Solidity on the Stellar developer blog, establishing these as primary reference material across the Soroban developer ecosystem.
- Built and published full stack Rust reference dApps with merged contributions to `CheesecakeLabs/soroban-dapps` and `stellar/sorobounty-spectacular`, used as canonical onboarding examples for Soroban developers.
- Implemented automated testing pipelines for smart contract deployments and cross-chain integrations, reducing regression rate by over 40% across release cycles.

Solidity Engineer | Blue (FKA IdentDefi), Saint Petersburg, FL | September 2022 – December 2022

- Designed and implemented the full smart contract stack from scratch — access controls, security architecture, and upgrade patterns — using Solidity and Hardhat, delivering a production-ready system in under three months with 100% test coverage.
- Optimized contract bytecode and gas efficiency using Solidity library patterns, reducing gas costs by approximately 30% and delivering Phase 1 on schedule.

Full Stack Engineer | Avalanche (Ava Labs), Brooklyn, NY | June 2021 – September 2022

- Shipped code contributions into [ava-labs/avalanchejs](#) — CB58 decode with checksum (#606), base fee updates (#582), standalone sample scripts (#591) — and a merged PR into [ava-labs/subnet-evm](#), the EVM fork powering Avalanche subnets, used by thousands of developers across production dApps.
- Contributed 20+ merged PRs into [ava-labs/builders-hub](#) covering smart contract deployment, cross-chain bridge setup (#681), Foundry integration (#850), Gnosis Safe deployment (#917), and OKX integration (#1925), along with contributions to [foundry-rs/book](#) (#380) and [rust-in-blockchain/ribbot](#) (#14).
- Built and deployed full stack decentralized applications — lending protocols and trading platforms — on Avalanche's C-Chain and custom subnets, with applications processing millions of dollars in on-chain volume.

Blockchain Developer | CanYa, Brisbane, Australia | March 2021 – August 2021

- Developed BEP20-optimized Solidity smart contracts on Binance Smart Chain and integrated Metamask/Web3 frontend functionality into the primary web application, with contracts passing a full security audit with zero critical findings at launch.

OPEN SOURCE CONTRIBUTIONS

- OKX — Merged PRs into [okx/okx-dex-sdk](#) and [okx/WEB3-DEX-Deprecated](#). TypeScript SDK for multi-chain DEX aggregation sustaining ~1k downloads/week. — [okx-dex-sdk #1](#) [WEB3-DEX #1](#) [WEB3-DEX #2](#) [WEB3-DEX #3](#)
- Enkrypt Wallet — 2 merged PRs shipping OKX DEX swap support to millions of wallet users across EVM, Solana, and SUI. — [enkrypt #726](#) [enkrypt #730](#)
- SendAI / Solana Agent Kit — 2 merged PRs integrating OKX DEX into the Solana AI agent ecosystem. — [solana-agent-kit #310](#) [solana-agent-kit #414](#)
- ElizaOS Plugins Registry — 2 merged PRs registering OKX DEX plugin into the official [elizaos-plugins/registry](#). — [registry #3](#) [registry #73](#)
- Stellar — 50+ merged PRs across [stellar-docs](#), [soroban-docs](#), [soroban-dapps-challenge](#), [soroban-examples](#), and [soroban-quest](#). Select contributions: EVM-to-Soroban migration guide, oracle dApp challenge, LP dApp challenge, crowdfund dApp, SDK version updates, and Soroban mainnet documentation. — [stellar-docs #939](#) [stellar-docs #916](#) [soroban-docs #409](#) [soroban-docs #664](#) [soroban-docs #487](#) [dapps-challenge #90](#) [soroban-examples #252](#)
- Avalanche — 20+ merged PRs into [ava-labs/builders-hub](#), code contributions to [ava-labs/avalanchejs](#) (CB58 decode, base fees, standalone samples), and a merged PR to [ava-labs/subnet-evm](#). — [avalanchejs #606](#) [avalanchejs #582](#) [avalanchejs #591](#) [subnet-evm #73](#) [builders-hub #850](#) [builders-hub #917](#) [builders-hub #1925](#)
- Foundry — Merged PR into [foundry-rs/book](#), the official documentation for the industry-standard Ethereum development toolkit. — [foundry-rs/book #380](#)

PERSONAL PROJECTS

- density-market-researcher — Autonomous macro and crypto research agent pulling live FRED economic indicators and on-chain metrics, analyzed by Claude AI and synced to a Next.js dashboard. Stack: TypeScript, Next.js, Python. (github.com/Julian-dev28/density-market-researcher)
- sentient-market-reader — Live Kalshi prediction market algorithmic trader powered by a multi-agent ROMA framework and Claude AI, with Appwrite auth and per-user credential storage. Stack: TypeScript. (github.com/Julian-dev28/sentient-market-reader)
- enterprise-ai-integration — Full stack AI toolkit covering HuggingFace, Grok/xAI, OpenRouter, RAG pipelines, FastAPI, multi-model routing, and cost tracking. Stack: Python, FastAPI. (github.com/Julian-dev28/enterprise-ai-integration)

EDUCATION

B.S. Software Development | Western Governor's University, Salt Lake City, UT | 2022

A.A. Indonesian Language | Defense Language Institute, Monterey, CA | 2020