

Kyle Bryant

Blockchain & Data Engineer · Crypto × AI

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Engineer working where institutional finance meets Ethereum — architecting on-chain data infrastructure, shipping intent-based and smart-contract systems end to end, and building production apps fast with AI-accelerated development.

EXPERIENCE

Senior Blockchain Data Engineer (Contract) · Fidelity Investments

Boston, MA · Dec 2024 – Present

- Architect and operate the on-chain data platform that indexes Ethereum and Solana staking rewards, consensus, and execution data — powering the research and analyst teams behind a staked ETF (director-level engagement).
- Built the production pipelines behind it — Snowflake, Kafka, EKS, Node.js, Oracle, PostgreSQL — at institutional scale.

Lead Backend / Smart Contract Engineer · Brink

Boston, MA · May 2021 – Dec 2024

- Shipped novel signature-based order types — stop-loss, limit, and DCA for both ERC-20 tokens and NFTs — where users sign an intent (no transaction) and an executor settles it on-chain.
- Pioneered this off-chain-signing / on-chain-settlement model across Ethereum and multiple Layer 2s — an early take on the intents paradigm now mainstream in DeFi.
- Designed, deployed, and maintained the production mainnet smart contracts, executor infrastructure, and customer-facing SDKs end to end.

Lead Integrations Engineer · Reggora

Boston, MA · Nov 2019 – May 2021

- Led a team of 5 engineers and spearheaded the Encompass and Byte integrations into the Reggora platform.
- Designed an event-sourcing architecture (consumer nodes, SQS, SNS, DynamoDB) that scaled the platform horizontally to support 250+ mortgage lenders and made it recoverable from a catastrophic database failure the prior architecture couldn't have survived.
- Delivered features end to end across the stack with React, Flask, and MongoDB.

Lead Smart Contract Engineer · Skedaddle (Boomerang)

Boston, MA · Aug 2018 – Sep 2019

- Architected Boomerang on the Universal Login Standard (EIP-1077 / EIP-1078); contributed to the open-source UniversalLoginSDK.
- Deployed smart contracts to testnet and built the full feature flow end-to-end, from SDK to frontend.

Senior Software Engineer · Hitachi Vantara

Waltham, MA · Jan 2017 – Aug 2018

- Migrated internal projects from Ant to Maven and modernized internal build tooling.
- Shaped the high-level design of worker nodes that horizontally scale the Pentaho ETL platform.

Software Development Engineer · Amazon Robotics

Westborough, MA · May 2015 – Jan 2017

- Built scalable cloud data solutions on DynamoDB, Redshift, and S3 for the Enterprise Data Warehouse team.
- Developed web tools that validated data integrity across multiple cloud databases.

Software Engineering Intern · Amazon Robotics

North Reading, MA · May 2014 – Aug 2014

- On a 6-intern team, built tooling and tests to debug the Drive Units' Obstacle Detection System — including a Java GUI for visually debugging Drive Unit logs.

SELECTED PROJECTS · AI-ACCELERATED

- QuinfallCrafting.com** — live companion app for The Quinfall MMO; sole engineer & operator. ~2,600 MAU across 70+ countries, fully localized into 13 languages, with a Stripe-based premium tier and self-serve sponsorship platform. [Next.js](#) · [PostgreSQL/Drizzle](#) · [Stripe](#) · [Netlify Edge](#)
- KinQuilt.com** — genealogy research workspace pairing a React SPA with a Chrome MV3 extension that aggregates records across 5 sites and drafts cited, LLM-generated biographies. [React](#) · [Vite](#) · [Chrome MV3](#) · [OpenRouter](#) · [Netlify](#)
- Testamentum Discord Bot** — serves a 100+ member Discord community with 20+ slash commands, an AI-generated Verse of the Day, and a multiplayer scripture quiz. [Python](#) · [discord.py](#) · [OpenRouter](#) · [Railway](#)
- uXa Automator** — cross-platform desktop app for repeatable input automation: step-based sequencing, global hotkeys, and humanized anti-detection timing. [Python](#) · [tkinter](#) · [pynput](#) · [PyInstaller](#)

SKILLS

Languages	TypeScript, JavaScript, Solidity, Python, Java, C++, SQL
Blockchain	Ethereum, Layer 2s, Solana, Smart Contracts, Account Abstraction, Intent-Based Apps, EIP-1077 / 1078 / 712, Universal Login, CREATE2, DeFi, Validator Operations
AI / LLM Dev	Claude Code, GitHub Copilot, Anthropic SDK, OpenRouter, Agent Orchestration, LLM Integration
Backend & Data	Node.js, Flask, GraphQL, Event Sourcing, SDK Design, PostgreSQL, MongoDB, DynamoDB, Redshift, Snowflake, S3
Frontend	React, Next.js, Tailwind CSS, ethers.js
Infra & Tooling	AWS, EKS, Kafka, Docker, GitHub Actions, Jenkins, Autosys, Hardhat, Vitest

EDUCATION

B.S. Interactive Media & Game Development · Worcester Polytechnic Institute

2011 – 2015

- The Urban Whale** — Senior MQP, Best Video Game Project: an Unreal Engine 4 game on the endangered North Atlantic right whale; built the C++ fish-schooling AI and player-diver controls.

HACKATHONS

- 1st Place** — Fidelity Hackathon (2025), Traderoute Multi-Dex · **1st Place** — ETHBuenosAires (2018), CryptoAgainstHumanity.io · **Best UX** — ETHBerlin (2018), AllAboard.xyz
- Spirit of Build** — ETHDenver (2019), Universal Wallet

References available upon request