

Nick Brodeur

nicholasbrodeur9@gmail.com | 530.510.6126 | Github: [ncale](#) | Website: nickbrodeur.net | LinkedIn: [nicholasbrodeur](#)

Work Experience

Challenger Fantasy [[Website](#)]

Technical Founder

Remote

Jun 2025 - Present

- Developed a fantasy sports platform with React.js and PostgreSQL launched to 200 beta testers.
- Architected a high-concurrency realtime data pipeline using automated web scraping and scheduled cron jobs to ingest and process combat sports data with minimal latency.
- Engineered a multi-tier caching strategy across the database, API, and application layers for minimal query latency.
- Developed a serverless drafting engine designed for horizontal scalability, allowing the platform to handle rapid spikes in user traffic during live events.
- Implemented complex data modeling to manage calculated and derived statistics, ensuring data consistency across a React web dashboard and a React Native mobile application.
- Optimized backend performance by implementing efficient indexing and data retrieval patterns to support realtime updates for thousands of concurrent users.

Mamo.bot [[Website](#)]

Fullstack Developer

Remote

Mar 2025 - Jun 2025

- Collaborated with designers to create a seamless onboarding pipeline; utilized Eliza agent framework to authenticate and manage account via Telegram.
- Engineered a multi-stage onboarding pipeline with React context ensuring seamless UX across users with different wallet types with ethereum smart contract requirements.
- Developed a custom Telegram OAuth integration allowing users to link external social accounts for spam protection and account security.
- Streamlined user acquisition by optimizing the onboarding flow, reducing friction in the multi-step registration and wallet-linking process.
- Established error monitoring across 5 distributed microservices; led bug classification and prioritization while managing patching and resolution throughout the production launch.

Tribes Inc. [[Website](#)]

Fullstack Developer

Remote

Oct 2024 - Mar 2025

- Built a realtime chat system using WebSockets, supporting rich media features including reactions, image/GIF processing, and dynamic link previews.
- Designed a cross-platform notification engine utilizing Firebase Cloud Messaging (FCM) and the Browser Notification API to deliver instant alerts for price volatility and social activity.
- Integrated automated Telegram alerts by developing an OAuth-based authorization flow.
- Contributed to the "eliza" AI Agent Framework, specifically engineering Telegram integration capabilities to expand the framework's communication layer.

Freelance

Fullstack Developer

Remote

Jan 2024 - Oct 2024

- Developed web3 and AI-based projects with 300+ unique users and \$44k in grants received.
- Open sourced [namestone sdk](#), a decentralized peer-to-peer [betting app](#), and a decentralized [prediction game](#).

Deloitte Consulting

Consulting Analyst

Chicago, IL

Aug 2022 – Jan 2024

- Led technical discovery and resource modeling for clients with operations in 60+ countries, leveraging Excel modeling and Python-based data analytics to optimize resource allocation across large projects.

Education

University of Tennessee, Knoxville, BS in Business Analytics & Statistics

Aug 2018 – May 2022

- **GPA:** 3.9/4.0; **Coursework:** Information science, data mining, and programming fundamentals

Skills

- **Languages:** Typescript, Python, SQL; **Web Development:** PostgreSQL, Edge