

# Nick Brodeur

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## Work Experience

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### 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

- Designed the multi-step onboarding flow with **React context** to automate smart contract deployment, sign transactions, and skip steps based on wallet kind.
- Reverse-engineered Telegram's login widget to implement OAuth with a custom UI, serving as a critical spam-prevention barrier and account access layer.
- Partnered with UX designers to implement a seamless onboarding and deposit flow, achieving \$1.3M in total value locked.
- Established **Sentry error tracking** on 5 deployed services; led bug classification and prioritization through production launch.

### Tribes Inc. [[Website](#)]

Fullstack Developer

Remote

Nov 2024 - Mar 2025

- Built a real-time chat engine using **Socket.io** and Node.js; implemented rich-media features including reactions, GIFs, and metadata processing for Open Graph/Twitter link previews.
- Developed a cross-platform notification system using **Firebase Cloud Messaging**; integrated with the browser Push API and a Telegram chatbot.
- Streamlined development workflow by migrating 6 services to modular **Turborepo packages** (reduced build times by 70%).
- Contributed [2 features](#) to the Eliza AI Agent Framework; expanded Telegram integration and improved test coverage.

### Freelance

Fullstack Developer

Remote

Jan 2024 - Nov 2024

- Developed 3 web3 projects accumulating 300+ unique users and [\\$44k in grants](#).
- Open sourced [namestone sdk](#), a decentralized peer-to-peer [betting app](#), a decentralized [prediction game](#), among others.

### Deloitte Consulting

Consulting Analyst

Chicago, IL

Aug 2022 – Jan 2024

- Consulted for 6 global organizations focused on multi-million dollar software migrations, maintaining an 87% utilization rate.
- Developed bespoke Excel and PowerPoint frameworks for translating client data into resource models and presentations.

## Education

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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

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- **Languages:** Typescript, Python, SQL; **Web Development:** Next.js, React, PostgreSQL, Cloudflare Workers