

Nick Brodeur

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Work Experience

Challenger Fantasy [Website] <i>Technical Founder</i>	Remote Jun 2025 - Present
<ul style="list-style-type: none">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] <i>Fullstack Developer</i>	Remote Mar 2025 - Jun 2025
<ul style="list-style-type: none">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] <i>Fullstack Developer</i>	Remote Nov 2024 - Mar 2025
<ul style="list-style-type: none">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 <i>Fullstack Developer</i>	Remote Jan 2024 - Nov 2024
<ul style="list-style-type: none">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 <i>Consulting Analyst</i>	Chicago, IL Aug 2022 – Jan 2024
<ul style="list-style-type: none">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

University of Tennessee, Knoxville , BS in Business Analytics & Statistics	Aug 2018 – May 2022
<ul style="list-style-type: none">GPA: 3.9/4.0; Coursework: Information science, data mining, and programming fundamentals	

Skills

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