

# Nick Brodeur

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## Work Experience

<b>Challenger Fantasy</b> [ <a href="#">Website</a> ]	Remote
<i>Technical Founder</i>	Jun 2025 - Present
<ul style="list-style-type: none"><li>Developed a fantasy sports platform with React.js and PostgreSQL launched to 200 beta testers.</li><li>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.</li><li>Engineered a multi-tier caching strategy across the database, API, and application layers for minimal query latency.</li><li>Developed a serverless drafting engine designed for horizontal scalability, allowing the platform to handle rapid spikes in user traffic during live events.</li><li>Implemented complex data modeling to manage calculated and derived statistics, ensuring data consistency across a React web dashboard and a React Native mobile application.</li><li>Optimized backend performance by implementing efficient indexing and data retrieval patterns to support realtime updates for thousands of concurrent users.</li></ul>	
<b>Mamo.bot</b> [ <a href="#">Website</a> ]	Remote
<i>Fullstack Developer</i>	Mar 2025 - Jun 2025
<ul style="list-style-type: none"><li>Collaborated with designers to create a seamless onboarding pipeline; utilized Eliza agent framework to authenticate and manage account via Telegram.</li><li>Engineered a multi-stage onboarding pipeline with React context ensuring seamless UX across users with different wallet types with ethereum smart contract requirements.</li><li>Developed a custom Telegram OAuth integration allowing users to link external social accounts for spam protection and account security.</li><li>Streamlined user acquisition by optimizing the onboarding flow, reducing friction in the multi-step registration and wallet-linking process.</li><li>Established error monitoring across 5 distributed microservices; led bug classification and prioritization while managing patching and resolution throughout the production launch.</li></ul>	
<b>Tribes Inc.</b> [ <a href="#">Website</a> ]	Remote
<i>Fullstack Developer</i>	Oct 2024 - Mar 2025
<ul style="list-style-type: none"><li>Built a realtime chat system using WebSockets, supporting rich media features including reactions, image/GIF processing, and dynamic link previews.</li><li>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.</li><li>Integrated automated Telegram alerts by developing an OAuth-based authorization flow.</li><li>Contributed to the "eliza" AI Agent Framework, specifically engineering Telegram integration capabilities to expand the framework's communication layer.</li></ul>	
<b>Freelance</b>	Remote
<i>Fullstack Developer</i>	Jan 2024 - Oct 2024
<ul style="list-style-type: none"><li>Developed web3 and AI-based projects with 300+ unique users and \$44k in grants received.</li><li>Open sourced <a href="#">namestone sdk</a>, a decentralized peer-to-peer betting app, and a decentralized prediction game.</li></ul>	
<b>Deloitte Consulting</b>	Chicago, IL
<i>Consulting Analyst</i>	Aug 2022 – Jan 2024
<ul style="list-style-type: none"><li>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.</li></ul>	

## Education

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

## Skills

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