Nick Brodeur

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Experience

Founder / Developer, Challenger Fantasy   Jun 2025 - Present

- 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.

Fullstack Developer, Mamo.bot   Feb 2025 - Jun 2025

- Engineered a secure authentication and onboarding pipeline, focusing on identity verification and data encryption.
- Developed a custom Telegram OAuth integration allowing users to link external social accounts for automated identity verification and account security.
- Streamlined user acquisition by optimizing the onboarding flow, reducing friction in the multi-step registration and wallet-linking process.

Fullstack Developer, Tribes Inc.   Oct 2024 - Mar 2025

- Built a persistent 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 (Open Source), specifically engineering Telegram integration capabilities to expand the framework's communication layer.
- Developed responsive, reactive UIs for mobile and desktop.

Independent Developer   Jan 2024 - Oct 2024

- Developed multiple web3 and AI-based projects with live user transactions and grants received.
- Designed an SDK for ENS's largest service provider, Namestone, later adopted as their official SDK, earning $1K.

Consulting Analyst, Deloitte Consulting   Aug 2022 – Jan 2024

- Directed client-facing technical discovery and resource modeling for global initiatives, leveraging Excel modeling and Python-based data analytics to optimize resource allocation across large projects.

Projects

Jelly Beans   2024

- Built a crypto prediction game that has engaged over 300+ unique users and facilitated 1400+ transactions.

Optimism GovScore   2024

- Created a web app that ranks Optimism DAO delegates based on voting patterns and behavior.
- Received a $50K grant from Optimism for its contribution to governance.

Education

University of Tennessee, Knoxville, BS in Business Analytics & Statistics   Aug 2018 – May 2022

- Studied information tech, data mining, and programming fundamentals (3.9/4.0 gpa)