

Nick Brodeur

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Work Experience

Challenger Fantasy [[Website](#)]

Technical Founder

Remote

Jun 2025 - Present

- Built and launched a fantasy sports platform end-to-end as technical founder; designed the backend architecture, data infrastructure, and API layer now serving 83 MAU with a live demo at [challengerfantasy.com](#).
- Engineered a serverless real-time draft system using **Cloudflare Durable Objects**; built a stateful matchmaker routing users into isolated draft lobbies, each guaranteeing strongly-consistent turn-based state across all connected WebSocket clients.
- Designed an edge API layer with **Cloudflare Workers** serving typed DTOs with edge caching; reduced P99 response times **92.5%** (from **~8s to ~600ms**) by pre-computing athlete stat aggregations into summary tables and materialized views.
- Built a distributed data ingest pipeline on **Google Cloud Run** processing 19 years of historical sports data; runs daily refresh jobs with enforced referential integrity and idempotent upserts to handle upstream data corrections.
- Architected a **Bun workspaces** monorepo; configured end-to-end typegen from database schemas to API clients.

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 **\$42.5k in grants**; projects included a DAO delegate explorer webapp, a decentralized peer-to-peer betting app, and a decentralized prediction game.
- Open sourced [namestone-sdk](#), which was adopted as NameStone's official SDK and peaked at **1.2k weekly downloads** on npm.

Deloitte Consulting

Consulting Analyst

Chicago, IL

Aug 2022 - Jan 2024

- Consulted for 6 global companies performing multi-million dollar software migrations; maintained an 87% utilization rate.
- Developed custom 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

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

Skills

- **Languages:** Typescript, Python, SQL; **Web Frameworks:** Express, Hono, FastAPI, Next.js, React
- **Infra:** Cloudflare Workers, serverless, Linux, Docker, Proxmox; **Tools:** Git, Bash, GitHub Actions

Selected Projects

artgg — **Art Gallery Generator** [Rust, Python, SQLite, GitHub Actions] [[Code](#)]

- TUI that generates desktop wallpapers from open-access museum artwork, with local caching and user configuration.
- Implemented a release pipeline with GitHub Actions for one-line installation