

## Brennan Duck

Full-stack Web Developer

[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | +1-941-730-0886 | Knoxville, TN

### Summary

Full-stack developer with 2+ years of freelance experience, specializing in building modern web applications using React, NextJS, and TypeScript. Passionate about creating efficient and scalable solutions, with a proven track record of delivering high-quality projects for clients.

### Technical Skills

JavaScript, TypeScript, Go, JavaScript Frameworks, React, Bun, Node, Nextjs, Svelte, WordPress, Git/GitHub, Turso, MongoDB, SQL, SQLite, TailwindCSS, GraphQL, tRPC, Prisma, HTML, CSS, REST, T3 Stack, MERN, Linux/Unix

### Technical Projects

**FwendAI** - (Project is closed-source, repo available upon request) | [Demo](#) | [Site](#) - 03/2024

*Full-stack AI chat companion app built with NextJS, featuring a modern UI, end-to-end type-safety, authentication, and a custom AI model based on Llama 3. Delivered a seamless user experience for simulating human conversation."*

- Modern UI using NextJS
- End-to-end type-safety via Prisma, tRPC, and TypeScript
- Authentication via NextAuth.js
- Payment Integration via Stripe
- Self-hosted PostgreSQL Database
- Custom AI model based on Llama 3 made to simulate human conversation.

**Watermelon King** - [Frontend](#) | [Demo](#) | [Site](#) - 08/2023

*Idle clicker game with a frontend built in Svelte and a backend in Go. Svelte provided a very easy user experience and allowed me to avoid some of the pitfalls of managing intervals and timeouts in React. Go was selected for the backend due to its performance and developer experience. This project was very challenging as it required me to learn much more about how to optimize JavaScript code as the game performs a large amount of calculations on the client.*

- Back-end written in Go to handle saving/loading user data.
- UI written in Svelte to provide an elegant and modern user experience.
- Self-hosted SQLite database for storing user data.
- Client for web, mobile, and desktop.

**For a full list, check out my [portfolio](#)**

### Experience

**Freelance** | 2022 - Current

*Web Developer*

- Built modern, maintainable, and SEO-friendly event pages for local businesses and charities using modern frameworks like NextJS.
  - Increased attendance by between 25 and 80%.

- This was accomplished primarily via text reminders to increase attendance and a simple CMS so that the client can easily add images and posts to the site via a simple graphical interface.
- Created performant lead generation pages with WordPress for a local insurance agency and integrated them manually with necessary APIs. This resulted in a savings of roughly \$30 per lead on approximately 125 daily leads generated.
- Effectively communicated technical complex technical concepts to non-technical clients/prospects.

## **PREVIOUS EXPERIENCE**

**Self-employed, contracted through various companies** | 09/2020 - 11/2022

*Insurance Agent/Sales Manager*

- Took leads from initial expression of interest to closing.
- Maintained a book of business that featured over 200 individual clients as well as multiple businesses.
- Briefly led a sales team of 7 people before my career change.

## **Education**

TripleTen (Previously Practicum) by Yandex | *Software Engineering Program* | Graduated May 2024

University of Central Florida | *Bachelors of Computer Science (incomplete)* | Attended from 2018 - 2020