

Brennan Duck

Full-stack Web Developer

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

Summary

Full-stack developer with 3+ years of combined professional and freelance experience building performant, modern web applications. Skilled in full lifecycle development, from architecture to deployment, and currently pursuing a B.S. in Computer Science.

Technical Skills

- Languages: TypeScript, JavaScript, Golang, HTML, CSS
- Frameworks/Libraries: Svelte, Next.js, React, Bun, Node, Express, Elysia, Expo
- Databases/ORMs: PostgreSQL, MySQL, Prisma, GORM, MongoDB, Mongoose
- Tools and Platforms: Git/GitHub, Linux/Unix, GraphQL, tRPC, REST APIs, Docker

Technical Projects

Duck Family Dental - (Project is closed-source, repo available upon request) | Site - 03/2025

Modern website built using SvelteKit and TailwindCSS, deployed in a custom Dockerized cloud environment.

- SEO-friendly website to assist in patient acquisition for a dental practice.
- Deployed in a self-hosted cloud environment with git workflows for handling updates as they are pushed to the repo.
- Built custom components for things such as Google reviews.

Watermelon King - Repo | Site - 08/2023

Idle clicker game with a frontend built in Svelte and a backend in Go.

- Created a responsive UI in Svelte that is suitable for mobile and desktop.
- Wrote a performant backend in Go for handling user authentication and data retrieval
- Built complex client-side functionality in TypeScript.

Experience

Duck Family Dental | 2025 - Current

Sole Web Developer

- Increased site traffic and patient leads by launching a fully-responsive, SEO-optimized website using SvelteKit and TailwindCSS.
- Developed automated messaging pipelines to improve patient-retention and decrease no-shows.
- Saved thousands of dollars yearly by building custom integrations to replace paid services.

Freelance | 2022 - Current

Web Developer

- Built modern, maintainable, and SEO-friendly event pages for local businesses and charities using modern frameworks like NextJS. Resulting in 25-80% higher event attendance.
- 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 up to \$30 per lead on approximately 125 daily leads generated.
- Effectively communicated complex technical concepts to non-technical clients/prospects.

SlopGoblins NPO (non-profit media project) | March 2024 - May 2024

Software Engineer

- Built a reusable library of over 30 form components using React and TailwindCSS.
- Implemented backend integration with Amazon S3 for efficient file storage and fetching.
- Created a performant search page using the aforementioned library so that users could easily filter through and search for movies.

Education

Western Governors University | Bachelors of Computer Science | Graduating 2026

- Coursework in data structures, algorithms, and software engineering fundamentals
- Supplemented with courses in mathematics, natural sciences, and computer systems

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

- Completed intensive training in modern web development in HTML, CSS, and JavaScript
- Trained in front-end frameworks such as React with additional training in design patterns such as BEM.
- Gained hands-on experience in back-end technologies including Node, Express, as well as both relational and non-relational databases.

- Provided peer mentoring as a senior student, reinforcing mastery of front-end and back-end concepts.