TRENTON BREW

Software Engineer

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PROFILE

I'm a creative developer specializing in full-stack web & mobile development, UX, and graphic design.

DESIGN

Figma · Rive · Blender · Adobe Suite · Sketch · Invision · Axure RP · GIMP · HTML5 · CSS/SCSS

FRONT-END

Vue · Svelte · Dart/Flutter · Electron · JQuery · Mapbox · WebGL · Swift · React Native Skia · Webflow · ES6

BACK-END

Node · Firebase · Express · Django · Python · C++ · Java · Git · Linux · Bash · Stripe · OpenAI · Puppeteer

INTERESTS

Game Development · Animation · Web3 · Painting · XR · Snowboarding · Jazz · Machine Learning · eSports

EXPERIENCE

CONSULTANT

Freelance <trentbrew.com> / Chicago, IL / Aug 2017 - Present

- Developer, designer, and brand strategist for small businesses and startups throughout the midwest.
- Builds custom web apps, mobile apps, and static websites powered by **Vue, Node, Firebase, Flutter,** and **Webflow.**
- Builds brands and empowers startups through logo design, digital consulting, user testing, and custom software development.

SOFTWARE ENGINEER

Lofty <hirelofty.com> / Remote / Mar 2021 - Jan 2022

- Used **Vue, Mapbox,** and **DeckGL** to draw, store, and calculate the area of bridge geometries and bridge defects, informed by IR drone footage.
- Translated UI designs & prototypes into functional features.
- Used **Django** to build custom authentication flow, notification system, and logic for building & executing flight plans for drones.
- Designed custom iconography & low-fidelity UI mockups in alignment with design team deliverables & brand guidelines.
- Implemented custom search via Mapbox Geocoding API.

WEB DEVELOPER

HBR Consulting <hbrconsulting.com> / Chicago, IL / March 2020 - April 2021

- Design & development of internal cross-functional knowledge management platform, powered by **Vue, Node,** and **Firebase.**
- Used **Node** and **Firebase** Admin API to build and maintain infrastructure tools to streamline development & deployment.
- Designed app wireframes & high-fidelity prototypes using **Figma.**

MENTOR

CoderDojo <coderdojo.com> / St. Louis, MO / January 2015

- Trained young coders and helped introduce them to the world of software engineering through basic game development, web design, and mobile app development.
- Used **HTML, CSS, JQuery,** and GameMaker to help kids build interactive experiences.