

TRENT BREW

SOFTWARE ENGINEER

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PROFILE

I'm a creative developer specializing in full-stack web & mobile development, UX, and graphic design. I craft software with usability & functionality in mind, leveraging disruptive technology to solve hard problems and help realize meaningful ideas that move the world forward.

DESIGN TOOLS

Figma Rive Blender Adobe XD
Sketch Invision Axure RP GIMP
Adobe Illustrator Adobe Photoshop
Adobe InDesign Adobe Animate

FRONT-END

Vue Flutter HTML5 CSS/SASS
jQuery JavaScript/ES6 Electron
VisualBasic Webflow React
Angular Svelte

BACK-END

Node Django Firebase Docker
Python C++ Java Go Linux
Ruby on Rails PostgreSQL Stripe
Rancher Gitflow Bash

INTERESTS

Web3 XR Game Development
Animation Deep Learning Painting
Snowboarding Jazz eSports

EXPERIENCE

SOFTWARE ENGINEER

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

- Used **Vue.js**, **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.
- Utilized **Django** to implement 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 Geocoding & Reverse-geocoding API.
- Utilized **Rancher** to manage **Kubernetes** clusters.

PRINCIPAL DEVELOPER

Trtl <trtl.tech> / Chicago, IL / Dec 2020 - Present

- Co-founder and lead enigneer of Chicago-based design & development collective.
- Principal developer, designer, and brand strategist for progressive small businesses & startups.
- Builds custom web apps, mobile apps, and static websites for clients, powered by **Vue.js**, **Node.js**, **Firebase**, **Flutter**, and **Webflow**.
- Builds brands and empowers startups through logo design, digital consulting, user testing, and custom software development.

UX DEVELOPER

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

- Design & development of internal cross-functional knowledge management platform, powered by **Vue.js**, **Node.js**, and **Firebase**.
- Implemented bulk CSV database imports and exports via **Node.js** and **Firebase** Admin API.
- Utilized custom **Bash** scripts to build and maintain infrastructure tools to streamline development & deployment.
- Designed app wireframes & high-fidelity prototypes using **Figma**.

MENTOR

Coding Dojo <codingdojo.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.