

# TRENT BREW

## UX ENGINEER

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### PROFILE

I'm a designer who loves to code, with 4 years of professional experience building mobile and desktop applications. I specialize in crafting intuitive and beautiful user interfaces, and enjoy working on projects that involve a lot of user interaction. I have a deep understanding of both front-end and back-end development, and am comfortable working in a variety of programming languages.

I have a strong focus on code quality, and always aim to write sustainable, scalable, and well-tested code, paying close attention to code organization and reusability.

### DESIGN TOOLS

- Figma
- Rive
- Blender
- Adobe Suite
- Sketch
- Invision
- Axure RP
- GIMP
- Webflow

### FRONT-END

- Vue
- Svelte
- Flutter
- Electron
- SCSS
- SwiftUI
- WebGL
- p5
- Vitest + Jest
- TailwindCSS

### BACK-END

- Node
- Laravel
- Express
- Django
- Git
- Linux
- Bash
- Rust
- Docker
- Rancher

### APIs

- Firebase
- OpenAI
- Stripe
- Mapbox
- Okta
- Coinbase

### EXPERIENCE

#### Consultant

StudioBrew <studiobrew.co> / Chicago, IL / Aug 2018 - 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**, **Svelte**, **NodeJS**, **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**.

### INTERESTS

- Game Development
- XR
- Generative Art
- 2D Animation
- Snowboarding
- Machine Learning
- Painting
- Jazz
- eSports

### EXPERTISE

