

# Alex Wilbur

I am a software engineer leveraging experience in the construction industry: building, assembling, electrical, and design. This methodical attention to detail and problem-solving skills helps get me to the finish line and provide the best service for my clients. On top of coding your product I offer graphic design input and aid as well. Passionate about elevating products to the top of the pack with quality and code.

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## EXPERIENCE

### General Assembly, Austin, TX — *Software Engineering, Fellowship*

AUGUST 2021 - NOVEMBER 2021

- My time at General Assembly taught me all about Object Oriented Programming through languages like JavaScript and Ruby
- I used JavaScript to build a web game called Q & Trivia Game, a trivia game built using the OpentriviaDB api. Through this app I showed my knowledge with asynchronous functionality and the use of API's.
- Using the React.js framework and functional components I built Poke-Duel, another web game that demonstrates my understanding of implementing full CRUD in a web application. This game uses Airtable for it's back-end database.
- Through GA I also learned how to create my own back-end with a group of developers using Express.js and MongoDB. For this project we built a site where users could sign up and sell/buy audio equipment.
- My final project, On the Move, taught me how to use Ruby on Rails to easily manipulate a back-end database and implement full CRUD and user authentication. This app is a blog app for those who move frequently where users can create, edit and delete their posts to find resources to make moving easier.

### Spectrum, Austin, TX — *Technician*

APRIL 2020 - NOVEMBER 2020

- I began with Spectrum early 2020 as a Tech II and quickly moved up to the Technician III position within a few months.
- My experience with the company taught me how to install 'drops' for new customers, getting their services up and running. I learned how to troubleshoot latency issues using , repair problems with missing channels, and fix phone lines that went down.

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## PROJECTS

### Q & A Trivia Game

- A JavaScript based web game through which I learned how to utilize asynchronous functionality to fulfill promises and pull data from a third party API.
- Async functions behave as synchronous functions using async await to suspend execution until the return is fulfilled or rejected
- Q & A used Open Trivia's database which gave me a special URL known as a Session Token that helped process my data.
- This activity also taught me how to handle errors using the try...catch statement to specify a response should an error be thrown

### Poke-Duel

- A recreated version of the classic Pokemon game, using the same concepts I learned from my first project, with my own personal twist.
- Players could add in their favorite Pokemon and ace off against a random opponent.
- It was created as a React application that taught me how to use functional components which made it easy to update state and reuse logic throughout the project without changing my hierarchy.
- I did this through the use of Hooks like useState, useEffect, and useParams through the process of passing props through each component where state was needed to be reused.
- I utilized the REST API developed by airtable which gave me the ability to create a semi-custom API for my backend

## **Tumbleweed Tiny House Company, Colorado Springs, CO — Carpenter/Framer**

APRIL 2019 - NOVEMBER 2019

- My role with Tumbleweed started out working alongside my teammates to construct and frame tiny homes.
- I quickly gained the opportunity to learn multiple fields in the industry as I did everything from framing and exterior work, to electrical and design.
- Each position I held required me to pay close attention to detail to the layout and design, as well as solving problems from spacing issues to task efficiency.

## **BMC, Colorado Springs, CO— Machinist**

JULY 2018 - APRIL 2019

- At BMC my duties were to operate machinery on an assembly line in which doors were built.
- It was my responsibility to lead a team of two others to achieve our goal of getting our production numbers done by the end of each day.
- My primary job was to run the KVAL ON-3 door feeder and KVAL 990-F2 Pre-hanger that would bore holes in the doors for handles and locks to go.
- As a secondary task I had to train new employees on the KVAL 700-C Assembler and KVAL RT-R Rotary lift

## **Starbucks, Los Angeles, CA — Barista**

OCTOBER 2017 - JULY 2018

- As a barista I had to be quick on my feet and attentive to detail, making sure to get every order exactly as the customer specified.
- This position helped me improve my multitasking skills as I would have to sometimes take orders and get them started all at the same time, or make multiple orders at once.

## **Barleygarden Kitchen & Craft Bar, Alpharetta, GA — Lead Line Cook**

MARCH 2017 - AUGUST 2017

- While working at Barleygarden I had the chance to guide a team on the line in making delicious meals for our customers to enjoy.
- I had to be fast and precise with each order that came in. This job improved my communication skills as I had to be attentive to what my chef was directing me to do and speedy to reply.
- It would also be my task to help spot clean throughout the work shift to practice good housekeeping.

## **Walmart, Bangor, ME — Electronics Associate**

OCTOBER 2015 - JANUARY 2017

- During my role as an electronic associate I would assist shoppers in finding the best product that would suit their needs.
- Another role I filled was setting up phone plans where I

## **Sound**

- A group oriented project that is like Etsy for audio equipment.
- Users would be able to sign up and sell their items through the site.
- Users were also given the ability to update or delete their items as needed.
- This project taught us the Express.js framework, as well as MongoDB's database
- With these technologies my team and I learned how to front and back end.
- My tasks involved building the database which linked us to our server, creating our restrict file that allowed us to authorize a user to sign up and create an encrypted password with the use of JSON Web Tokens, and to create the models for our products and users Schema's

## **On the Move**

- A React based web blog for those who move or travel frequently and are looking for resources to make the experience better
- This app utilizes full CRUD functionality on both the front end and the Rails created back end.
- I used asynchronous functionality as well as functional React components to build out the front end.
- Through this project I learned how to implement user authentication and JSON Web Tokens using Rails.
- Two added libraries and dependencies I used in this project include react-icons and styled-components

## **HARD SKILLS**

- React.js
- JavaScript
- CSS
- HTML
- Rails
- Ruby
- JWT
- Git
- GitFlow
- Figma
- Krita
- Blender
- Node.js
- Photoshop
- Express.js
- MongoDB
- C#
- C++

would handle personal information given to me by the client

### **Danforth's Supermarket , Hermon, ME — *Shift Supervisor***

JULY 2014 - SEPTEMBER 2015

- As a shift supervisor I was in charge of directing my fellow cashiers in our daily tasks.
- I would work alongside them to help customers purchase their items, get our daily clean up duties complete, and send them on break.
- Another responsibility of mine was deciding which associate to send to collect shopping carts when the corals were full.
- On top of all those tasks I would also help the managers close the store at night.

### **EARLY WORK HISTORY**

**Rover Logistics LLC — *Dispatcher***

**Prism Electric — *Electrician***

**Nook Tiny Homes — *Carpenter/Framer***

**Nomad Tiny Homes — *Carpenter/Framer***

**Red Rouge Cafe — *Line Cook***

**C&K Variety — *Line Cook***

### **EDUCATION**

November 2021

Certificate of Completion, General Assembly

- I went through General Assembly's 12-week Software Engineering immersive course where I learned the tools needed to become a software engineer.
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- Technologies I acquired there were JavaScript, React.js, Node.js, Express.js, Ruby, & Rails.

June 2014

Diploma, Hermon High School

- Liberal Studies

### **SOFT SKILLS**

- Full Stack Development
- Web Development
- Graphic Design
- Problem Solving
- Multitasking
- Drawing

**June 2014**

Certificate of Completion, United  
Technologies Center

- During this two-year course I obtained the knowledge needed to program and develop video games.
- I utilized technologies like C# & C++, paired with the Unity software.
- I also gained the ability to create 3D models and animations