Jeffrey Sweeney

http://jsweeneydev.com/

jsweeney.dev@digitalsafe.com

I'm an experienced, self-motivated software engineer with proficiency in front-end development. I have a passion for developing maintainable solutions for a variety of needs, and have worked on a myriad of projects.

Work experience

- Toptal Contractor / Consultant
    - Front-End Developer - Montgomery Psychiatry
    - Full-Stack Developer - Xplorstem
    - Web UI Developer - Shooting Academy Canada
    - Front-End Developer - Candy
    - Front-End Developer - Imperial College London
    - Full-Stack Developer - Topshelling
    - Full-Stack Developer - Litify
    - Vue Engineer - Raven Black
    - Developer - Health Data Movers
- Senior Software Developer - Sorcero
- Senior Software Developer - Avid
- Solutions Architect - Anthem
- Tutor - Eduonix

Expertise

- Front-End Development
    - Javascript
    - ReactJS / NextJS
    - VueJS
    - Webpack, Rollup, Snowpack
- Back-End Development
    - NodeJS
    - PHP
    - Command Line Utilities
- Design
    - SVG - CSS3
    - Bootstrap, Material UI
    - Figma / Zeplin
    - Illustrator, Photoshop, Gimp

Skills

Most of my technological skills came from teaching myself, working on personal projects, and developing software with a variety of teams.

Javascript

I have been developing in Javascript for over a decade. I've worked on projects ranging from simple website effects, interactive dynamic charts, games, Microsoft add-ins, and more.

I'm very proficient in modern Javascript and make it a point to keep up to date with modern tech such as the device camera, canvas, and integration with audio/video.

As predominately a web developer, I'm proficient in HTML and CSS, and write accessible, semantically correct content that matches designer mockups (when provided) while adhering to accessibility guidelines.

I have worked on large and small projects and adhere to best practices, developing reliable, composable, and efficient code. I excel in meeting project and customer needs with the minimum amount of required code, third-party or otherwise.

NextJS

I've used NextJS on professional and personal projects, developing statically generated websites as well as middleware to handle authentication.

Projects that I've used NextJS on include:

- Montgomery Psychiatry
- Full-stack Developer - Xplorstem

ReactJS

I was an early adopter of ReactJS and integrated it into Avid MC|UX Audio, Video, and Sequence Timeline components.

I'm skilled in React 18 and have developed a myriad of pure functional components using all of the available React hooks (useState, useEffect, useMemo, useCallback, etc.). Components I develop are reusable, testable, and isolated.

I'm also familiar with tech that is often paired with React, such as NextJS, Redux (and tools such as Redux Thunk and Redux Saga), and various UI design libraries.

React projects I've worked on include:

- Montgomery Psychiatry, P.C.
- Anthem
- Candy
- Imperial College London
- Topshelling
- Litify
- Health Data Movers

NodeJS

I've used NodeJS to write and maintain build scripts, web socket servers, and general utilities.

For build scripts, I've written intricate webpack configurations, occasionally with custom plugins, to meet a customers need. I've also developed personal projects using Rollup, and some public projects with Snowpack.

I've written a number of back-ends using Micro, ExpressJS, and other related technologies. The following projects used ExpressJS somewhere in the process, either for the main back-end of as a testing proxy:

- Sorcero

- [Topshelling](#)
- [Avid Technologies](#)
- [Litify](#)
- [Health Data Movers](#)

I've also made a number of custom tools for querying JIra, generating text output, and other things of that nature. This resume is the output of a NodeJS script that I wrote that turns a markdown file into an interactive webpage.

Graphics

I'm very comfortable in developing SVG icons from scratch, optimizing existing icons, animating icons, and making small requisite tweaks.

I've developed custom icons and animations for a range of projects including:

- [Sorcero](#)
- [Anthem](#)
- [Candy](#)
- [Avid Technologies](#)

I have lots of experience developing interactive visualizations as well. Some examples include:

- Bar and line charts – [Sorcero](#) and [Raven Black](#)
- Timeline – [Sorcero](#)
- State, US, and World Maps – [Sorcero](#)
- Interactive histogram – [Imperial College London](#)
- Gene visualizer – [Imperial College London](#)

I also have experience with general image and video manipulation. I've made tutorial Javascript videos for [Eduonix](#) effectively from scratch.

CSS

I'm well versed in modern CSS and now widely available features including animations, gradients, flexbox and grid. I'm conscious of optimization and semantics and can develop most features an app requires. I've developed custom forms, modals, dropdowns, tooltips, and more using available CSS techniques.

I'm also versed in a variety of CSS libraries and tools, including TailwindCSS, Bootstrap, Material UI, and whatever else a project may need or is using. I've worked with modular CSS tools such as styled css and preprocessors such as SASS and "postCSS" (which is not technically a preprocessor).

VueJS

I've worked on a handful of personal and public VueJS projects, both existing and from scratch. I'm familiar with the composition API and the advantages that Vue can offer.

Vue projects I've worked on include:

- [Sorcero](#)
- [Raven Black](#)
- [BigNerve](#)

Management

I took the role of Scrum Master at Avid Technolgies for a year and a half. During this time, projected sprint velocity vs estimates improved from ≈40% to ≈95%. Excess meetings were also tampered down, as

generating administrative reports was made more efficient and even automated where possible.

I have also served as a Front-End Team Lead for [Sorcero](). I would work closely with the engineers, product owner, and management with 1-1 conversations to lay out sprints efficiently. I also built tools in [VueJS]() and [NodeJS]() to measure individual projected velocities, successfully protecting the team from overcommitting.

I'm a strong advocate for [Extreme Programming]() and pure [Agile]() methodologies.

Figma

I've worked closely with designers that used figma to develop prototypes. I'm familiar with the tool, having used it to extract images/styles, view demos, and post comments.

Projects that I've worked on where designers have used Figma include:

- [Montgomery Psychiatry, P.C.]()
- [Candy]()
- [Raven Black]()
- [Sorcero]()

Portfolio

I have work experience ranging from individual gigs to large companies, with teams of all sizes, for short and long-term commitments. I have developed a reputation for getting a lot of work done very quickly, all while meticulously documenting my progress.

Montgomery Psychiatry

Front-end React Dev - March 2024 - Present

Similar to my work with [Litify Referral](), I was hired on to the project to rapidly update a 5 year old application to work with and use the latest version of [React]().

- Developed pages for defining, performing, and reviewing psychiatric exams
- Created a static publc website in NextJS for new patients and businesses

Xplorstem

Full-stack Developer - July 2023 - September 2023

[https://www.xplorstem.com/]()

- Developed an authentication service for a [NextJS]() / ExpressJS website
- Integrated SendGrid to allow for account password reset
- Added the ability to develop the application locally without relying on AWS using Docker and MySQL
- Discussed approaches and best practices for other planned site features

Shooting Academy Canada

Full-stack Developer - July 2022 - January 2023

[https://archerysource.ca/pages/string-maker]()

- Developed interactive tools that allowed website visitors to customize and visualize strings for longbows, crossbows, etc. and create arrows for different bows
- Created a tool for the client to customize the string-builder store options
- Hooked up the string- and arrow-builder interfaces into Shopify via Shopify's front-end REST API

- Investigated and fixed some minor issues related to various Shopify plugins

Sorcero

Senior Software Engineer, November 2021 - March 2024

https://www.sorcero.com/

- Served as a lead front-end developer for the team that worked on MIM
- Reprogrammed the majority of the front-end for IPM
- Developed interactive visualizations for data related to medical science, including
    - Timelines
    - Maps
    - Heat maps
    - Force-directed graphs
    - Line charts
    - Bar charts
- Developed various pages in both Vue and React
- Worked closely with the product owner and design team to deliver consistent and accessible designs
- Developed build and deployment scripts in NodeJS
- Wrote unit tests and automated tests with Playwright, Jest, and Mocha
- Assisted in developing API requests in Python

Anthem

Solutions Engineer, October 2020 - October 2021

https://telehealthos.anthem.com/

- Worked with a large team developing and maintaining TeleHealth OS.
- Converted Zeplin mockups into interactive UI
- Created common reusable ReactJS components, including tables, dropdowns, and date pickers
- Developed automated tests using cypress.io
- Developed unit tests with Jest

Technologies:

Create React App, Javascript, NodeJS, ReactJS, Redux, Webpack

Candy

Front-end developer, September 2021 - October 2021

https://www.candy.com/

At Candy, I helped develop common React components in JSX and Typescript for a Sport NFT website for a small dynamic team.

Technologies:

Javascript, Typescript, TailwindCSS

Imperial College London

Front-end developer, June 2021 - July 2021

- Refactored and recreated the front end of a bacteria querying tool using Create React App and Bootstrap. Added infinite scrolling logic and an about info drawer to the common website banner.
- Developed an interactive histogram component from scratch for displaying information about bacterial isolates using the HTML5 Canvas.
- Created an interactive, easy-to-decipher species containment stacked bar graph from scratch using the HTML5 Canvas.
- Created an interactive, speedy gene visualizer that can render and display millions of entries of genomic information and an optimized table of species information with thousands of entries that performs efficiently.

Technologies:

[Canvas](), [Bootstrap](), [ReactJS]()

Topshelling

- Developed the front end of a proof-of-concept web application for adding a listing and removing information about boutique items, such as their name, description, markdown, and a picture.
- Hooked into HTML5 camera APIs, allowing users to either upload or take a screenshot of an item with their phone and add it to the product description.
- Quickly created a proof-of-concept back end in Node.js and Express.js for retaining information about boutique items in memory.

Technologies:

[ExpressJS](), [Javascript](), [NodeJS](), [ReactJS](), [TailwindCSS]()

Litify

Front-end developer, July 2019 - January 2020

https://www.litify.com/

Worked on two projects for Litify: Litify Inbox and Litify Referral Network

Litify Inbox:

- Developed an Outlook add-in with a Javascript and React front-end and a NodeJS back-end effectively from scratch.
- Developed automated tests with [webdriver.io]().
- Connected to AWS lambda functions and Salesforce APIs.

"[Litify Referral Network]() is an all-in-one platform solution that allows law firms of all sizes to easily send, receive, and manage legal case referrals for FREE."

- Migrated code to handle updated npm dependencies from a 4-year-old project (upgrading react-router update proved to be a difficult task).
- Cleaned up front-end Javascript and back-end NodeJS code.
- Recreated a number of components, including a custom date picker and a brand new sign-up page and flow.

Technologies:

[ExpressJS](), [Javascript](), [NodeJS](), [React](), Redux, Redux Saga, WebdriverIO

Raven Black

Vue Engineer, January 2020 - May 2020

- Developed sophisticated live and historic radar detection software with an expert team of fellow developers.
- Programmed a number of components and charts to analyze radar data
- Started work on a to-be-published Hugo website

Technologies:

[Canvas](), Hugo, [Javascript](), Rxjs, [TailwindCSS](), Typescript, [VueJS]()

Health Data Movers

Developer, May 2020 - October 2020

https://www.healthdatamovers.com/

Worked as a contactor for [Health Data Movers]()

- Worked with a small team of developers on the front end and back end of a web application that supported medical professionals in the corneal transplant industry through documentation of referrals, tissue recovery, and medical review.
- Front-end: developed pages on React, Redux, and MaterialUI
- Back-end: modified and created services with Node.js, MySQL, Sequelize, WebSockets, and Twilio/SendGrid for sending notifications.

Technologies:

[Javascript](), [Material UI](), MySQL, [NodeJS](), [ReactJS](), SendGrid, Sequelize, Twilio, WebSockets

Eduonix

Tutorial Video Producer, March 2019 - May 2019

https://www.eduonix.com/

Developed a tutorial series on Javascript, Webpack, and Babel fundamentals.

Sample video: https://youtu.be/VCfs0f3ozcY

Avid Technologies

Senior Front-end Developer - March 2013 - January 2019

https://www.avid.com/

- Worked with a small team to develop the player, sequence, and audio components of Avid's MediaCentral | Cloud UX, a web app for browsing, playing, and logging media.
- Served as a scrum master for a year and a half - performing administrative duties and ensuring stakeholders were always informed about the team's status on features.
- Worked closely with the UI team - converting mockups and offering advice on accessibility and consistency with the rest of the application.
- Maintained our local RHEL development server by evolving our application's back end from Java to Nginx to Docker to Kubernetes.
- Wrote Node.js build and deployment scripts to allow us to release components regularly in an agile manner.

- Composed manual, unit, automated, and integration tests in Gherkin, Mocha, Jest, TestCafe, and a bit of Groovy Selenium.

Technologies:

Docker, Groovy, Java, [Javascript](), Jira, Kubernetes, Mocha, [NodeJS](), [ReactJS](), RHEL, TestCafe

Idexx

Developer, 2011 - 2012

https://www.idexx.com/en/

Developed a offline-capable website for [Idexx](): geared toward salespeople selling vetrenarian supplies in rural areas.

This was done with the [Cache Manifest](). This was before Service Workers existed.

Technologies:

Appcache, [Javascript](), PHP