

Aaron Bush

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SUMMARY

Software engineer based in Grand Rapids, MI, with a strong passion for developing innovative solutions. Experienced in both frontend and backend projects, including website building and maintenance for STAYKool Productions, as well as collaborating with teams to create robust web applications for clients at 100 Devs Agency. Proficient in a wide range of programming languages, web technologies, databases, and tools/platforms. Committed to adhering to industry best practices and continuously improving user experiences. Certified in React, JavaScript, and CSS through LinkedIn skills tests.

CERTIFICATIONS & SKILLS

- **Certifications:** LinkedIn skills tests in React, JavaScript, and CSS.
- **Skills:**
 - Programming Languages: JavaScript, TypeScript, Java, Python
 - Web Technologies: Vue/Vuetify, React, Backbone.js, jQuery, HTML5, CSS3/SCSS, Bootstrap
 - Databases: MongoDB
 - Tools and Platforms: Node.js, Git, Github, Bitbucket, SASS, Stripe, Android Studio, Cordova, Ionic, Docker
 - Concepts: Object-Oriented Programming, MVC Paradigm, REST

WORK EXPERIENCE

STAYKool Productions

May 2022 - Present

Software Engineer

Remote

- Led the frontend and backend development for all Squizz projects, elevating the overall user experience and interface resulting in a 20% increase in user engagement.
- Managed and optimized web platforms serving thousands of monthly users, ensuring seamless media management and scheduling, leading to a 30% reduction in media upload time.
- Collaborated with cross-functional teams to build modern, responsive web applications, adhering to industry best practices and enhancing site functionality, contributing to a 15% improvement in site performance.
- Initiated and executed the conversion of the original dashboard from Backbone.js/JavaScript to Vue and TypeScript, resulting in 40% faster load times and a 50% increase in user interaction.

Recent Projects:

- **Squizz Pro Customer:**
 - Admin Dashboard, where we can add customers, add users, and displays for that customer. Those users' emails, status, first name, and last name can all be changed. We can change the status of the display and change the name of the display in the database. I converted our original dashboard from Backbone.js/Vanilla JavaScript to Vue and TypeScript for faster load times and a better interactive UI. (TypeScript, Vue3, Vuetify, MongoDB)
- **Digify TV:**
 - Dashboard for a client who had bugs and errors after the previous developer. Bugs including: All files being uploaded every time device booted up, or restarted. As well as UI crashes while upgrading to newest Android 31 API. (Java, Android, Gradle)
- **Squizz Pro Media:**
 - Site where customer can upload their media, choose playlists, scheduling, and edit devices. (Backbone.js, jQuery, JavaScript, MongoDB, Express, Node.js)
- **Google Play Squizz APK:**
 - Used Android Studio to create a Cordova application for Mobile Devices to use our product. (Cordova, Ionic, Java)
- **Squizz Digital Signage:**
 - Marketing site where customers can sign up and login, choose their pricing option. (HTML5, CSS/SCSS, JavaScript)

100 Devs Agency

Jan 2022 – Present

Software Engineer

Remote

- Collaborated with a team of developers to build full-scale web applications for clients, consistently meeting client specifications and deadlines.
- Demonstrated adaptability and versatility by successfully delivering diverse projects such as the Pokemon Search Application using Pokemon API, and Weather Application using OpenWeather API.
- All projects were created with JavaScript, CSS/SASS, and HTML.
- Currently wearing a mentor role hat now that I've completed classes. Helping out with coding problems, and any other way I can give advice.

Projects

- Lava Java Coffee Co
- Might Hands MMA
- Blade Studio Salon
- Artiano Italian Restaurant
- Pokedex API

Personal Projects

Mar 2021 - Present

Software Engineer

- **Real Time Chat Application:**
 - Using your Google account to sign up and login, you can then add friends via their email address. From there, once both parties are friends, you can go back and forth chatting in realtime. (React, TypeScript, Redis, Tailwind)
- **Gratitude Journal:**
 - An application where users can sign up, login, and upload gratitude daily. Users can also upload images, captions, and text to each post. (JavaScript, EJS, MongoDB, Express, Node.js)
- **Secret Santa Anonymous:**
 - Backend script where you can upload a .txt or .csv file. You can set the budget, add names, and emails. It then gives you and the other participants, an email of another random participant that is found in the .txt or .csv file. Letting everyone know who they got for secret Santa.
 - (Python, smtplib)
- **Grand Rapids, MI Data Science Project:**
 - Taking a CSV file from Grand Rapids ARCGIS, cleaned the CSV file of any null data, and analyzed variables such as age, sex, intersections, weather, vehicle type, day, and alcohol involvement to identify factors contributing to accidents. (Pandas, Pyplot, Seaborn, Folium, Numpy)
- **Michigan CWD Data Science Project:**
 - Analyzed a CSV file from Michigan DNR's site to plot the counties most affected by CWD in deer. (Pandas, Pyplot, Seaborn, Folium, Numpy, Cufflinks)
- **Highest Paid Athlete Data Science Project:**
 - Through a manually attached .xlsx file with data of the top paid athletes of all sports, I was able to create plots and a gif showing in ascending order who was making the most money, and what sport was paying their athletes the most at the given time. (Python, Pandas, Seaborn, Matplotlib)
- **Ethereum Stock Prediction:**
 - Script that uses Machine Learning to take a manually uploaded .csv file, and shows predicted closing stock price on future dates. (AutoTS, Matplotlib, Pandas, Pillow, and Seaborn)
- **Full Stack Notes Application:**
 - Created a notes app where users can sign up, create notes, and delete notes. (Python, Flask, Werkzeug)
- **Simple Coin Flip Game:**
 - Single page site where you can click to flip the coin, showing heads or tails (JavaScript, HTML, CSS)
- **Password Generator:**
 - Users can generate a password via a button. You can decide to add special characters or not in the password. After generating, you can click to copy to clipboard. (JavaScript, HTML, CSS)