Sasha Bajzek

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ABOUT ME:

I am a front-end web developer with a structural engineering background who loves building great websites, creatively solving problems, and learning new skills every day. My favorite libraries to work with at the moment are React and Redux, and I get excited about making websites accessible, performant, and engaging.

TECHNICAL SKILLS:

- **Languages:** HTML, CSS, JavaScript
- **Libraries:** React, Redux, jQuery, Bootstrap, Sass, Immutable, Flow, TypeScript
- **Tools:** Git, Adobe XD, Adobe Illustrator

EXPERIENCE

Diwala, Volunteer Frontend Web Developer**,** *San Francisco, CA* 05/2018 - Present

- Working with Diwala's frontend team to make improvements, modifications, and bug fixes on their React/TypeScript website: https://diwala.io/

Freelance Consultant for FreshU, Web Developer**,** *San Francisco, CA* 03/2018 - Present

- Working on a refresh of the FreshU media website in React

JS-808 Drum Kit, Creator and Web Developer**,** *San Francisco, CA* 12/2017 - 01/2018

- Created a drum kit using React and Redux resulting in a fun, efficient web app for creating music: js-808.sashabajzek.com

Freelance Consultant for Spectrum Technology, Web Developer**,** *San Francisco, CA* 08/2017 - 10/2017

- Redesigned the public facing website for a small defense contractor resulting in better brand awareness and client outreach while meeting complex government requirements: www.spectrumtechnology.us
- Focused on making the website responsive and accessible for use with mobile device and to increase audience usability.

Parsons Corporation, Structural Engineer**,** *San Francisco, CA* 03/2014 - Present

- I design bridges by analyzing the loads applied to the structure through finite element analysis modeling, taking the forces from the model to design the components of the structure following design standards, and choosing the sizes and connections for the components to ensure safety, reliability, and efficiency.
- Designed box girders and abutments for two Calgary Ring Road bridges as part of a design build project providing quick turnover to the contractor to build quickly and save cost on materials.
- Engineered designs and plans for the viaducts and bridges in the California High Speed Rail Project resulting in efficient designs that will withstand earthquakes.

EDUCATION

Virginia Tech, MS in Civil Engineering, *Blacksburg, VA* 08/2011 - 05/2013

Illinois Institute of Technology, BS in Civil Engineering, *Chicago, IL* 08/2007 - 05/2011