

# Sasha Bajzek

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## ABOUT ME

I am a front-end engineer 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, TypeScript
- **Libraries:** React, Redux, jQuery, Bootstrap, Sass, Immutable, Flow
- **Tools:** Git, Adobe XD, Adobe Illustrator, Invision, axe

## EXPERIENCE

- Constellation Labs**, Frontend Engineer - *San Francisco, CA* 07/2018 – 10/2018
- Worked to relaunch the Orion developer portal using React, Redux, and TypeScript by creating reusable and accessible React components for rapid development.
  - Created a data visualization tool showing blockchain transactions across the world using Mapbox and React.
  - Provided mentoring for the web developer on the team on React, Redux, and Sass best practices.
- Diwala**, Volunteer Frontend Web Developer - *San Francisco, CA* 05/2018 – 09/2018
- Worked with Diwala's Front End team to make improvements, modifications, and bug fixes on their React/TypeScript website: <https://diwala.io>
- 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](http://js-808.sashabajzek.com)
- Freelance Consultant**, Web Developer - *San Francisco, CA* 08/2017 – 10/2017
- Redesigned the public facing website for Spectrum Technology Group, Inc. resulting in better brand awareness and client outreach while meeting complex government requirements: [www.spectrumtechnology.us](http://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 – 07/2018
- Designed 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.
  - 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