

YULIYA KHILKO

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Full-stack Engineer

Full-stack engineer proficient in JavaScript, Node, and React with a STEM background in Chemical Engineering. Transitioned from DNA Research at Stanford to web development to help companies create responsive, scalable, and maintainable web experiences. The latest project involved implementing React components and integration with APIs at Women Who Code Silicon Valley Chapter Tools Project.

Technical Skills

JavaScript, ES6, HTML5, CSS3, Bootstrap, BEM, React, npm, Node.js, Express.js, MongoDB, Linux, Git, AWS(EC2)

Technical Projects

News Explorer APP | [Frontend](#) | [Backend](#) | [Live](#) | [Demo](#) **Dec 2020 - Jan 2021**

Tech: JavaScript, React, HTML, CSS, Node, Express.js, MongoDB, AWS

This app allows users to search news articles by keywords and bookmark for future reference

- Built RESTful APIs using Express.js and MongoDB
- Implemented responsive UI using React
- Launched infrastructure for hosting production code on AWS(EC2) cloud server

Around the US App | [Frontend](#) | [Backend](#) | [Live](#) | [Demo](#) **Sept 2020 - Dec 2020**

Tech: JavaScript, React, HTML, CSS, Node, Express.js, MongoDB

This is an Instagram-like web application that allows users to share their photo content

- Programmed Node/Express.js web server that was used to serve data for a Front-end React application
- Developed reusable and maintainable React components
- Implemented user authentication and session management using security best practices

From Portland To Portland [Frontend](#) | [Live](#) | [Demo](#) **Apr 2020 - March 2020**

Tech: HTML, CSS, BEM

- Created a fully responsive landing page utilizing BEM convention and semantic elements

Experience

Women Who Code Silicon Valley Chapter **March 2021**

- Collaborate with the front-end engineering team on a volunteering basis in building a portal that codifies many of the activities for the WWCode-SV chapter
- Expand React components and integrate with back-end APIs
- Accommodate layout for all screen sizes and device type

Practicum by Yandex Web Developer Professional Training **April 2020 - March 2021**

- Completed 740+ hours of coding in JavaScript, React.js, Node.js, HTML5, CSS3, BEM
- Implemented landing pages using a responsive mobile-first approach
- Developed dynamic MERN stack web applications from scratch

Research Fellow at Stanford Genome Technology Center | J. Craig Venter Institute **2015 - 2017**

- Developed automation protocols for microfluidic liquid handling operations
- Collaborated with a team of electrical engineers and molecular biologists to produce [publication in a scientific journal](#)

Education

- **Full-Stack Web Developer Certificate**, Practicum by Yandex **2021**
- **M.S. Chemical Engineering**, San Jose State University **2017**
- **B.S. Biotechnology**, Belarusian State Technological University **2010**