

# YULIYA KHILKO

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## Web Developer

Transitioning from biochemical engineering to the field of web development. My former work required complex and diverse multidisciplinary skill sets including programming of a lab automation hardware, the mastery of genetic engineering, and technical writing.

## Skills

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

## Technical Projects

**News Explorer App**, links: [Front-end](#), [Back-end](#), [Demo](#)

**Full-Stack**

**Tech:** JavaScript, React, HTML, CSS, Node, Express, MongoDB, AWS

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

- Created RESTful APIs using Express.JS and MongoDB
- Implemented responsive UI using React
- Set up infrastructure for hosting production code on AWS(EC2) cloud server

**Around the US App**, links: [Front-end](#), [Back-end](#), [Demo](#)

**Full-Stack**

**Tech:** JavaScript, React, HTML, CSS, Node, Express, MongoDB

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

- Built 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

## Experience

**Practicum by Yandex Full-stack Web Developer Training Program**

**2021**

- Completed 740+ hours of coding in JavaScript, React.js, Node.js, HTML5, CSS3, BEM
- Created landing pages using 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 publications in scientific journals.

## Education

- **Full-Stack Web Developer Certificate** | Practicum by Yandex
- **M.S. Chemical Engineering** | San Jose State University

**2021**

**2017**