

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 lab automation hardware, the mastery of genetical engineering, and technical writing.

Skills

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

Technical Projects

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

This app allows users to search news articles by keywords and lets them save the articles to their profiles.

- Created RESTful APIs using Express.JS and MongoDB
- Implemented responsive UI using React
- Set up NGINX proxy server and hosted production code on AWS(EC2)

Around the US App [Front-end Repo](#) | [Back-end Repo](#) | [Demo](#)

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, HTML, CSS
- 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