

YULIYA KHILKO

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Full-stack Web Developer with a multidisciplinary skill set of a biochemical engineer. I have expertise in JavaScript, React, Node, HTML5, and CSS. I successfully developed and deployed multiple full-stack applications on Microsoft Azure, AWS, and Heroku.

Skills

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

Technical Projects

News Explorer App

[Front-end](#), [Back-end](#), [Demo](#)

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

[Front-end](#), [Back-end](#), [Demo](#)

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

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 2021
- **M.S. Chemical Engineering**, San Jose State University 2017
- **B.S. Biotechnology**, Belarusian State Technological University 2010