

NIKOLAY SHATALOV

Software Engineer | Frontend Engineer

(201) 912-9872 nikoobox@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#) New York, NY

Skills

JavaScript, React, Redux, HTML, CSS, SCSS, Ruby, Ruby on Rails, MongoDB, Node, Amazon Web Services, D3.js

Projects

TreeCamp (JS, React/Redux, Ruby/Rails, HTML5, CSS3, PostgreSQL, AWS)

[Live Site](#) | [Github](#)

TreeCamp is a full-stack Hipcamp clone that allows users to discover and book unique treehouses.

- Utilized Redux single-state management to establish communication between backend and frontend environment and implement CRUD functionality.
- Implemented fully responsive modals and animations to simplify UX when navigating through the website.
- Leveraged AWS S3 for image storage imposing a file size limit and file compression to reduce the storage cost.

90 Plus (JS, Node.js, Express.js, D3.js, HTML5, CSS3, Firebase/Firestore)

[Live Site](#) | [Github](#)

An interactive soccer score app with live, dynamic data and visualizations.

- Created practical, user-focused endpoints for Football-API to minimize the number of API calls and to receive, display, and update the most recent soccer data.
- Employed Node.js and Express.js to build a light-weight backend to secure API keys with zero dependency module and expose asynchronous data points for the project's front-end.
- Harnessed power of serverless Cloud Firestore real-time NoSQL database to store and sync user voting data.

Pomegranate, Front-End Lead (JS, HTML, CSS, MongoDB, Node/Express, React/Redux)

[Live Site](#) | [Github](#)

- *A web-app that generates unique recipes based on the ingredients from the user's kitchen.*
- Headed front-end, web design and development with a focus on the pleasant, minimalistic look and smooth navigation ensured by React-Router components.
- Implemented custom drag and drop functionality with Dragover, Dragstart, and Data Transfer Object.

Experience

Freelance Web Developer

June 2019 - Current

- Designed, built, deployed, and maintained fully responsive web apps for various clients in the US and Russia.
- Utilized Bootstrap, Material UI, and custom styling to build pleasant-looking and functional interfaces.

New York Temperature Controls

Application Engineer

Sep 2018 - Sep 2020

- Developed efficient automated Building Management Systems (BMS) designs and engineering submittals.
- Designed and implemented graphical user interfaces (GUI) for BMS HVAC systems, redesigned over 50% of existing GUI, and developed new UI/UX standards for the company.
- Automated the process of building typical GUI graphics for 1359 Broadway project with JavaScript program.

TEC Systems

Control Systems Engineer

Jun 2017 - Sep 2018

- Designed electrical wiring and flow diagrams on mechanical blueprints for MOMA and Hudson Yards projects.
- Implemented and utilized AutoCAD on a daily basis for high-level engineering and drafting.

Education

App Academy (2020)

Immersive software development course with a focus on full-stack and front-end web development.

The City College of New York (2017)

Bachelor's in Mechanical Engineering

Relevant Coursework: C++ for Engineers, Mathlab in Engineering, Solidworks Design, CS50: Intro.

Additional Skills

Mongoose, Express, SQL, PostgreSQL, Webpack, Git, Heroku, Netlify, Next.js, React Context API, React Hooks, Firebase, Firestore.