NIKOLAY SHATALOV

Software Engineer | Frontend Engineer

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

Skills

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node, Express, SQL, Webpack, PostgreSQL, Amazon Web Services S3, Git, 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.
- Applied client-side of user auth patterns with web forms by using redux workflow and error handling.
- 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.
- Integrated React components for creating one-way data flow and Virtual DOM concepts.
- Utilized Bootstrap and Material UI external libraries 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.
- Created JavaScript app to automate the process of building typical GUI graphics for 1359 Broadway project.

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, Computer Methods in Engineering (Matlab), Computer-Aided Design (Solidworks), CS50: Introduction to Computer Science.