Nikolay Shatalov

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Skills

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, PostgreSQL, Webpack, jQuery, Git, Heroku

Projects

TreeCamp (JS, React / Redux, Ruby / Rails, HTML, CSS, PostgreSQL, AWS)   Live Site | Github
TreeCamp is a full-stack Hipcamp clone that allows users to discover and book unique treehouses.
- Used Rails authentication to keep user information safe by utilizing ByCrypt hashing.
- Optimized backend routes and shape of front-end state to minimize load-time for process-heavy user experience
- Used fully responsive modals and animations to simplify users' experience when navigating through the website.
- Leveraged AWS S3 for image storage imposing a file size limit and file compression to reduce the storage cost.

Pomegranate (JS, HTML, CSS, MongoDB, Mongoose, Express.js, React.js, Redux.js, Node.js)   Live Site | Github
A web-app that generates unique recipes based on the ingredients from user's kitchen
- Crafted high-quality user interfaces and visual design from inception to launch of the web application.
- Utilized Redux single-state management to establish communication between backend and frontend.

90 Plus (JavaScript, Node.js, Express.js, D3.js, HTML5, CSS, Firebase/Firestore)   Live Site | Github
An interactive soccer live score app using dynamic data and visualization.
- Utilized Football-API using Axios to receive, display and update the most recent soccer data.
- Implemented live updates using local storage to save setInterval id when page is fully reloaded.
- Harnessed the power of Firebase by storing user's voting data.
- Used Dotenv zero-dependency module to store and hide sensitive API key data to ensure the data safety.

Experience

New York Temperature Controls
Application Engineer   Aug 2018 - Sept 2020
- Developed efficient mechanical and automated Building Management Systems designs and engineering control submittals
- Designed and implemented graphical user interfaces (GUI) for Building Automation Systems and HVAC systems. Entirely redesigned over 50% of existing GUI and developed new design standards for the company
- Created javascript code to speed-up the process of creating typical GUI graphics reducing number of errors.
- Tested and modified control programs with Niagara Framework software prior to releasing.

TEC Systems
Control Systems Engineer   Nov 2018 - May 2019
- Designed electrical wiring and flow diagrams on mechanical blueprints.
- Created clear sequence of operation, BOM, electrical bid documents, valve schedules as required.
- Implemented and utilized AutoCad on a daily basis for high level engineering and drafting.

Education

App Academy   Aug 2020 - Dec 2020
Immersive software development course with focus on full stack web development.

The City College of New York
Bachelor's in Mechanical Engineering   Aug 2015 - Dec 2017

LaGuardia Community College
Associate's in Mechanical Engineering   Sept 2013 - June 2015