

Mylon Jones

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Technical Skills

Front End: JavaScript (ES6+), React, Axios, CSS, HTML, jQuery, Webpack

Back End: Node, Express, MySQL, MongoDB, PostgreSQL, EmailJS, Postman

Deployment & Dev Tools: Docker, Jest/Mocha/Chai, AWS EC2, NGINX, GIT

Software Engineering Applications

TrackCar /MongoDB | Express | React | Node | Git | EmailJS | CSS

A notification and monitoring service designed to help users keep track of upcoming and due maintenance for their cars.

- Designed data schema to reflect the relationships of users, cars specs, and maintenance history
- Utilized React forms and Axios requests to persist maintenance choices in MongoDB database
- Created a system that sends email notifications through the EmailJS API when maintenance is due

Boot Locker System Design /PostgreSQL | Express | React | Node | AWS | Loader.io | NGINX

A server system designed to send item display data for Foot Locker while supporting up to ten-thousand requests per second.

- Integrated legacy code with PostgreSQL to increase database import speed by 200 percent
- Constructed seeding functions that generated over 10 million unique data entries to stress test database
- Established least connection load balancing to EC2 instance servers with Nginx, resulting in an increase of responses per second from 700 to 10,000 by applying caching

Target Item Detail Page Mock /MongoDB | Express | React | Node | Docker | Axios

Displays an item represented by several independent modules, including a Q&A module that offers user friendly feedback options

- Employed Express routing to enable full CRUD compliance with all MongoDB collections
- Consolidated API calls by setting state with event handlers to reduce latency by 50 percent
- Implemented inline styling to override, and avoid CSS conflicts across components

Select Experience

Innovation Education | Lancaster, CA | Tutor

2018-2020

- Clarified fundamental mathematical concepts for students with step by step processes
- Analyzed and proofread student work material in order to provide constructive feedback

Education

Hack Reactor, Advanced Software Engineering Immersive Program

2021

College of the Canyons, Computer Science

2020

- Relevant Coursework: Programming in Java

Antelope Valley College, Mathematics

2016-2019

- Relevant Coursework: Programming in C