

Jonathan Carpena

Full Stack Software Engineer

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TECHNICAL SKILLS

Front End | JavaScript (ES5 and ES6), TypeScript, React, Redux, Next.js, jQuery, HTML5, CSS3, SASS, Apollo

Back End | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API Development

Testing/Deployment | Jest, Mocha, Chai, AWS (Amazon Web Services), Firebase, Heroku, Netlify

Developer Tools | Git, npm, Webpack, Babel, Postman, TDD

SOFTWARE ENGINEERING APPLICATIONS

Nathan's Meal Prep | Full-Stack Software Engineer - [Link](#) 2022

Client web application that displays, manages, and orders prepped meals React | Node.js | Express | MongoDB | Netlify | Heroku

- Remodeled an existing e-commerce website to incorporate a content-managing portal that allows the client to configure their meals, business availability dates, and customer's orders.
- Improved website loadup speed by **83%** going from 4000ms to 700ms.
- Implemented **Redux** to keep track of user authentication, user's bag, and user's shopping session.
- Boosted monthly website customer traffic and engagement by **65%** over the first 3 months.
- **Github:** <https://github.com/jonathancarpena/nathans-meal-prep>

Jolina's Lash Artist Services | Full-Stack Software Engineer - [Link](#) 2022

Client web application that displays, manages, and reserves lash services React | Node.js | Express | MongoDB | Netlify | Heroku

- Architected a front-end service of a booking system to allow users to choose their lash service, select from the available reserve dates, input contact information, and receive notification of a successful booking.
- Achieved Google page performance **98** by utilizing **GZIP**, **Webpack**, and **React CDN**
- Facilitated discussions with client to assess expectations regarding the timeframe, design and user experience.
- Deployed application by hosting the front end onto **Netlify**, the server onto **Heroku**, and the database onto **MongoDB Atlas**.
- **Github:** <https://github.com/jonathancarpena/jolina-lash-artist>

Reddit Analyzer | Front-End Engineer - [Link](#) 2022

Data visualization tool for viewing Reddit user's data and Subreddit traffic activity Next.js | Netlify

- Devised and implemented an algorithm that process about a 1000 pieces of data from the Reddit API to generate a Reddit user's kindness, a Reddit user's text-readability, and a Subreddit's time of most activity.
- Attained **>90%** test coverage by using **test-driven development** to deliver a high quality application.
- Implemented server-side rendering with **Next.js** to improve page load time, achieving Google Lighthouse SEO score of 100.
- Reduced total lines of code by 1000 by developing a reusable chart analysis **React** component.
- **Github:** <https://github.com/jonathancarpena/reddit-analyzer>

FoodSpace | Full-Stack Software Engineer - [Link](#) 2021

Food management system web application React | Node.js | Express | MongoDB

- Calculated the expiration of when a product expires and notify the user when a product should be discarded.
- Utilized **MongoDB** to create database allowing each user to store, delete, and update their products and personal foodspaces.
- Incorporated **session-based authentication** to prevent the user from having to frequently re-authenticate.
- **Github:** <https://github.com/jonathancarpena/foodspace>

EXPERIENCE

Freelance Full-Stack Web Developer

March 2022 - Present

Hacky Birthday MLH - Hackathon

July 2022