

# Jonathan Carpena

## Front End Engineer

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## TECHNICAL SKILLS

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**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

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**Nathan's Meal Prep** | Full-Stack Software Engineer - <https://nathansmealprep.netlify.app>

2022

*A 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 allowing the client to configure their meals, business availability dates, and customer orders.
- Improved website load-up 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 - <https://jolinalashes.netlify.app>

2022

*A 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 clients 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 - <https://reddit-analyzer.netlify.app>

2022

*Data visualization tool for viewing Reddit users' data and Subreddit traffic activity.*

Next.js | Netlify

- Devised and implemented an algorithm that process about 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 using **test-driven development** to deliver a high-quality application.
- Implemented server-side rendering with **Next.js** to improve page load time, attaining a 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>

**Pokemon Guesser** | Front-End Engineer - <https://pokemon-guesser-game.netlify.app>

2021

*Guessing game using Pokemon silhouettes and Pokemon sounds.*

React | Node.js | Express | MongoDB | Netlify | Heroku

- Deployed an application built with two other engineers over the course of 40 hours.
- Cooperated with the team's design lead to implement design expectations.
- Expanded on the project to improve the user interface and user experience and also increased the selection of pokemon.
- **GitHub:** <https://github.com/jonathancarpena/pokemon-guesser>

## EXPERIENCE

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**Freelance Web Developer** | Full-Stack Software Engineer

March 2022 - Present

**Hacky Birthday MLH** | Front-End Engineer

July 2022

**Carson Street Dance** | Team Director

August 2017 - March 2020