

## ABOUT ME

At the end of 2020, my best friend inspired me to become a programmer. He knew that building and creating things was what made me come alive. Since then, I managed to create a few full-stack projects and my portfolio using online resources while maintaining a full time job in healthcare. Learning and tackling difficult problems satisfy my creative itch, and ultimately, I want to work on software that positively impacts people's lives.

## TECHNICAL SKILLS

**Strong:** JavaScript (ES5/ES6+), Typescript, HTML/CSS, React.js, Next.js, GraphQL/Apollo, TailwindCSS, SCSS, SPA, Redux, Node.js/Express, APIs, Axios/AJAX, JSON, PostgreSQL, MongoDB/Mongoose, Git/Github, Terminal Command Line

**Experienced:** Postman, JQuery, OOP, Adobe XD, Figma, Google Tag Manager

**Other:** AWS (RDS, EC2, EB, S3), Netlify, Heroku, Chrome Developer Tools, Visual Studio Code, Google Workspace

## PROFESSIONAL EXPERIENCE

### Web Developer | *The Ridge*

July 2021 - Present

- Implemented Webpack to compile and minify Javascript and SCSS files to optimize page load speeds and to bolster a clean architecture of the codebase.
- Engineered Next.js/Typescript, TailwindCSS, Builder.io, and Netlify to build faster landing pages that can be quickly iterated by the marketing and design teams while maintaining speed performance from over a second to 500ms.
- Developed new workflows to efficiently streamline the integration and iteration of code base and third-party apps used by the marketing team to work with the integration of Webpack.
- Engineered Javascript, JQuery, and APIs to integrate features for capturing customer emails, and adding featured products in the cart when unique parameters are met.
- Collaborated with designers to improve user interface, user experience, and mobile responsiveness by adjusting SCSS and restructuring HTML/Liquid pages.
- Maintained strict version control with Bitbucket and Github through frequent and detailed code reviews.

## PROJECTS

### Portfolio Website | <http://www.bryanyi.com>

- Integrated CSS grids for flexibility in mobile responsiveness by utilizing media queries.
- Architected ReactJS to display each section as a separate component to easily update information.
- Deployed project code to Netlify and connected to Github, making production updatable through Github actions.

### E-Kars | *E-Kars is a (conceptual) full-stack e-Commerce project that sells used electric cars.*

- Architected NodeJS/Express to build RESTful API endpoints to create a server, load car products, handle user authentication, create private routes, and manage Stripe payments by implementing Express Middlewares to handle various endpoints and to maintain a separation of concerns between each piece of functionality.
- Engineered ReactJS to maximize the website's speed and responsiveness by utilizing React Router to build a single page web application.
- Integrated Redux to retrieve and supply data from MongoDB via Axios into a centralized store to orchestrate cart functionality, and to simplify the filtering feature on the products page.
- Designed a user authentication system with custom User model-methods using Mongoose to hash the user's password before saving it to the database.
- Incorporated Stripe API for secure payment at checkout for scalability and to prevent cybersecurity issues.
- Implemented custom Error Handlers to make each file cleaner and more readable.
- Deployed application to Heroku to showcase the project to other developers and receive feedback.

### World COVID19 Vaccinations | *Visualize COVID vaccination data of other countries.*

- Implemented Django Rest Framework to build backend RESTful APIs endpoints to serve JSON data constructed from SQL queries.
- Collected 4000+ records of vaccinations from Kaggle, and stored into AWS Relational Database Service.
- Integrated ReactJS to organize multiple components and to fetch RESTful API from backend via Axios.
- Designed Chart.js to display a bar chart for quick comparisons between total and daily vaccinations.
- Leveraged WhiteNoise to efficiently deploy Django to Heroku by allowing it to serve its own static files.
- Deployed Django to Heroku and React.js frontend to Netlify to quickly load the frontend while data loads.

## EDUCATION

University of California, Irvine | *Bachelor's of Arts, Public Health*

## INTERESTS

*Tech news | Playing electric & acoustic guitar | Audio engineering w/ Abelton | calisthenic exercises | Snowboarding*