

Kelvin Teoh

Full-Stack Developer

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TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, PHP

Framework/ Libraries: React, NodeJS, Express, Material-UI, Bootstrap, Redux, jQuery, Jest

Developer Tools: GitHub, VS Code, Google Cloud Platform, Postman, Heroku, XAMPP

Database: MongoDB, Firebase, MySQL

PROJECTS

AluArt - eCommerce Platform

MongoDB, Express, React, Redux, Node

<https://aluart.herokuapp.com/>

- Designed front end with Redux to handle asynchronous calls to back-end CRUD APIs and updates to global state
- Back end developed with Node and Express for routing and custom middleware implementation, which included authorization for users and admins, as well as catches for certain error codes
- Utilized browser local storage for JWT tokens, cart items, and user data for persistent status after browser is closed
- Incorporated PayPal as third-party payment solution by creating async functions that retrieved client ID and hooks to prompt PayPal SDK.

Broken Telephone - Social Media Platform

Firebase, Express, React, Redux, Node

<https://screams-e95cf.web.app/>

- Implemented signup and login with email, Google, and GitHub accounts by utilizing Firebase Authentication to provide tokens and UID for authentication and authorization
- Created serverless backend with Google Cloud Firestore and Node Cloud Functions that handled triggers for notification and content creation/deletion within the database collections
- Utilized React functional components for hooks and local state to manage skeleton screens and dispatched actions for seamless UX when loading data

Monument - Restaurant Review Platform

MongoDB, Express, Node

<https://monument2.herokuapp.com/>

- Developed asynchronous codebase with MVC architecture, promises, and Axios so features could be added to the app and tested with a clear separation of logic
- Utilized Cloudinary for media storage and optimization of file size for delivery, which improved loading speeds while maintaining appropriate resolutions
- Used Mapbox API to create cluster maps and geolocation of eateries for a visual representation of locations
- Provided security against XSS attacks by defining schemas with a joi validation library, and filtering strings through third party modules

PROFESSIONAL EXPERIENCE

Business Analyst

Toronto, ON

Great Canadian Oil Change

April 2020 - Mar 2021

- Formulated and lead initiatives for improving customer experiences using signage and updated operating procedures which resulted in a 7% faster service and a 163% increase in sales

Data Scientist

Alliston, ON

Honda of Canada Manufacturing

May 2018 - Aug 2019

- Designed and implemented a multi-dept automated reporting solution utilizing VBA to retrieve information from the web and process data into reportable formats, saving 600 hours per year

EDUCATION

Bachelor of Engineering and Management, Mechanical (Co-op)

Hamilton, ON

McMaster University

Graduated 2020

- Program combines a full mechanical engineering degree with commerce courses for a balanced understanding between technical knowledge, business, and project management