Kelvin Teoh

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TECHNICAL SKILLS

Languages: JavaScript, HTML5 CSS3
Framework/ Libraries: React, NodeJS, Express, Material-UI, Bootstrap, Redux, jQuery
Developer Tools: GitHub, VS Code, Google Cloud Platform, Postman, Heroku
Database: MongoDB, Firebase

PROJECTS

AluArt – eCommerce Site | *MongoDB, Express, React, Redux, Node*   https://aluart.herokuapp.com/
- Designed frontend with Redux to handle asynchronous calls to backend CRUD APIs and updates to global state
- Backend 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 Site | *Firebase, Express, React, Redux, Node*   https://screams-e95cf.web.app/
- Created serverless backend with Google Cloud Firestore and Node Cloud Functions for API routing and triggers for notification and content creation/deletion within the database collections
- Implemented signup and login with email, Google, and GitHub accounts by utilizing Firebase Authentication to provide tokens and UID for authentication and authorization
- Activated skeleton screens and dispatched actions through React hooks for seamless UX when loading data
- Incorporated Material-UI core, styles, and icon components that were tree-shaken for reduced bundle size
- Leveraged Firestore triggers to handle database updates for notifications, deletion, and updates of related documents across various collections

Monument – Restaurant Review Platform | *MongoDB, Express, Node*   https://monument2.herokuapp.com/
- Developed asynchronous codebase by using MVC architecture, promises, and Axios so features could be systematically added to the app and tested with a clear separation of logic
- Implemented authentication with Passport middleware which handled salting and hashing of new passwords, as well as verifying existing users for login
- Utilized Cloudinary for media storage and optimized file size delivery which improved loading speeds
- Used Mapbox API to create cluster maps and geolocation of eateries for a visual representation of locations
- Provided security against basic XSS attacks by describing data with joi, and filtering strings through express-mongo-sanitize, and sanitize-html

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

PROFESSIONAL EXPERIENCE

Business Analyst   Toronto, ON
Great Canadian Oil Change   April 2020 – Mar 2021
- Formulated and lead initiatives which improved customer experience resulting in a 7% faster service and a 163% increase in product 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