

Kenny Miu

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Languages and Frameworks

React, Django, NodeJS, JavaScript, Flutter, Dart, Python, Kubernetes, Swift, MATLAB

Work Experience

Full Stack Developer (ApplyBoard, Kitchener ON, Canada)

Jan 2022 – Apr 2022

React, NodeJS, Typescript, Cypress

- Refactored a student bulk import page to use Emotion Styled components, file validation, and better state management resulting in a 50% reduction in lines of code
- Created Cypress tests including file uploading, drag and drop, and full form validation checks

Full Stack Developer (Polar, Toronto ON, Canada)

Sep 2021 – Dec 2021

React, Redux, JavaScript, Django, Python, Jest

- Revamped a demo sites list page by implementing pagination via a Django REST endpoint
- Linked two separate react components together with reducers by migrating the stateful component into the global redux store
- Deprecated a support resources widget by removing all related references in multiple codebases and fixing all associated unit tests

Mobile Developer (Honeybee Hub, Toronto ON, Canada)

Jan 2021 – Apr 2021

Flutter, Dart, MongoDB, Google Cloud Platform, Kubernetes

- Led an agile team in developing and structuring a user-profile data collection system
- Designed a referral system resulting in a 300% increase in user interactions over one month
- Programmed an endpoint in NodeJS and redesigned home page of the app in Dart to generate and display targeted studies with a recommendation engine

Full Stack Developer (Honeybee Hub, Toronto ON, Canada)

May 2020 – Aug 2020

React, NodeJS, Typescript, MongoDB, Express

- Designed and programmed a survey builder and survey responder for researcher prescreening
- Built features including drag and droppable questions, response validation, and autosaving
- Created related APIs such as creating, updating, searching, and deleting surveys and responses

Projects

iOS App Development (St. Augustine CHS, Markham ON, Canada)

Sep 2018 – Jun 2019

Swift, Objective C, XCode, Simulator, Firebase Database

- Self-taught and programmed the school app used by over 85% of the student population
- Built features including push notifications for office and class announcements, a centralized list of all school clubs, and a daily cafeteria menu which can be updated by staff

Education

University of Waterloo (Waterloo, ON, Canada)

Sep 2019 - present

Candidate for BAsC, Nanotechnology Engineering