

Kenny Miu

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Languages and Frameworks

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

Work Experience

Frontend Developer (Smile Digital Health, Toronto ON, Canada) Jan 2023 – Aug 2023

Angular, Bootstrap 5, Typescript, Cypress, GitLab

- Developed the entire UI that authenticates and interacts with CMS (a US healthcare website)
- Added a GitLab pipeline to automatically run tests, lint files, run SonarQube quality checks, and build Docker images
- Created Cypress tests including mocking OAuth2.0 flows, API calls, and file downloads

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

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)
Honours BSc, Nanotechnology Engineering

Sep 2019 – Apr 2024