Kenny Miu

kennymiu.com

kennymiu2@gmail.com
+1 (647) 863-1337

Skills

React, Angular, Node.js, Python, Django, TypeScript, JavaScript, Flutter, Dart, GCP, Swift

Work Experience

Associate Software Developer | Smile Digital Health
Toronto, ON, Canada

Angular, Bootstrap 5, Typescript, Cypress — *May 2024 - Present*

- Refactored a health notes page to dynamically apply/remove CSS classes, improving readability and reducing component lines of code by 30%
- Optimized state management by adding an NGRX store, improving component isolation and eliminating redundant Input/Output decorators across the entire project

Frontend Developer | Smile Digital Health
Toronto, ON, Canada

Angular, Bootstrap 5, Typescript, Cypress — *Jan 2023 – Aug 2023*

- Created Cypress tests including mocking OAuth2.0 OIDC flows, API calls, and file downloads
- Added a GitLab pipeline to automate testing, linting, SonarQube quality checks, and building/deploying Docker images
- Self-built a front-end Angular application that authenticates and interacts with the U.S. CMS official API, ensuring requirements from a key company stakeholder were met on time

Full Stack Developer | ApplyBoard
Kitchener, ON, Canada

React, Node.js, Typescript, Cypress — *Jan 2022 – Apr 2022*

- Refactored a student bulk import page to use Emotion Styled components and React Hooks 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

React, Redux, JavaScript, Django, Python, Jest — *Sep 2021 – Dec 2021*

- Revamped a demo sites list page by implementing pagination via a Django REST endpoint improving performance by 20+ seconds
- Linked two separate React components together with reducers by migrating the stateful component into a global Redux store
- Fully removed a support resources component by running several Django migrations and removing any associated JavaScript references

Projects

iOS App Development | St. Augustine CHS
Toronto, ON, Canada

Swift, Xcode, Firebase, Node.js, Google Cloud Platform — *Sep 2018 – Jun 2019*

- 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 from a website

Education

University of Waterloo
Waterloo, ON, Canada

Honours BASc, Nanotechnology Engineering — *Sep 2019 – Apr 2024*