

KENISHA PERERA

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Technical Skills

Languages: JavaScript, TypeScript, C/C++, Python, Java, SQL, Golang, Kotlin, HTML, CSS, R

Technologies/Frameworks: React, Git, Node.js, Figma, MongoDB, Docker, Kafka, Linux, Bash, Grafana, Azure

Work Experience

Harbinger Motors

September 2024 - Present

Full-Stack Developer

Los Angeles, California

- Developed new features for a software releases website using **Go**, **React with TypeScript**, and **Docker**, deploying on **Google Cloud Platform (GCP)**; integrated third-party APIs for file uploads and implemented real-time progress and error displays via Server-Side Events using Go channels and the **Gin** framework.
- Evaluated and selected **MongoDB** for scalable and flexible data storage, integrated it into the releases website to support real-time updates upon new release creation, and developed React UI features for user-driven updates with instant database synchronization.
- Designed and implemented a **Unified API** in Go within the **Encore SDK**, integrating **SQL** tables for a vehicle fleet database to automate table updates from API requests, enhancing code reusability, simplifying future API replacements, and reducing devops overhead.

Emailistics

August 2023 - December 2023

Full-Stack Developer

Toronto, Ontario

- Streamlined user experience using **Golang** by implementing real-time error handling and improved the user interface to be more visually cohesive through the adoption of **consistent design patterns** and **clear navigation cues**
- Implemented token validation using **Golang**, preventing the use of expired tokens and reducing exceptions by querying for updated tokens or halting the process if not renewed
- Implemented a French language option using string localization and backend integration with **MongoDB** to store user language preferences resulting in a **20% increase** in user engagement among French-speaking users.

Index Exchange

May 2022 - August 2022


Back-End Developer

Toronto, Ontario

- Incorporated scripts using **Python** to aggregate datasets from **Kafka** and find and remove duplicate elements, as a result increasing efficiency by 10% in the streamlining processes
- Worked with **Docker**, **Grafana**, and **Golang** to investigate and debug various errors in the databases
- Wrote several Kafka services using the **Outbox Pattern** for Microservice Architecture


Projects

Laundry Slot Booker | *React Native, JSX, CSS, Google Firebase, Figma*

 [kenisha-p/laundry-slot-booker](https://github.com/kenisha-p/laundry-slot-booker)

- Created a React Native app that allows users to see the electricity cost of a specific slot by **fetching real-time data** from an API, as well as **collecting user data** to track electricity and water usage
- **Stored user data and settings** using the Google Firebase online database
- Implemented an intuitive user interface providing a **seamless user experience**, using Figma for initial design mock-ups

Recipe Finder | *ReactJS, Javascript, CSS, Spoonacular API, Framer*

 [kenisha-p/recipe-finder](https://github.com/kenisha-p/recipe-finder)

- Created a React app, utilizing the Spoonacular API to fetch ingredients and recipes, where users can input ingredients they have on hand and recipes containing the ingredients are returned to the user
- Implemented various **React animations** using Framer and made the app **mobile-friendly** to improve user experience

Education

University of Waterloo

September 2020 - April 2025

Candidate for Bachelor of Computer Science

Waterloo, Ontario

- President's Scholarship of Distinction

Chalmers University of Technology

September 2022 – June 2023

Study Abroad Program

Gothenburg, Sweden