

# KENISHA PERERA

+1(437)-344-4830 | [kenisha.perera@uwaterloo.ca](mailto:kenisha.perera@uwaterloo.ca) | [linkedin.com/in/kenishap](https://www.linkedin.com/in/kenishap) | [github.com/kenisha-p](https://github.com/kenisha-p) | [kenisha-p.github.io](https://kenisha-p.github.io)

## Education

### University of Waterloo

September 2020 - December 2025

Candidate for Bachelor of Computer Science

Waterloo, Ontario

- President's Scholarship of Distinction of \$2000

### Chalmers University of Technology

September 2022 – June 2023

Study Abroad Program

Gothenburg, Sweden

## Work Experience

### Harbinger Motors

September 2024 - December 2024

Full-Stack Developer

Los Angeles, California

- Automated over-the-air flashing to deploy software updates to vehicles using **Go**, **React with TypeScript**, and **Docker**, deploying on **Google Cloud Platform (GCP)**, cutting firmware flashing time in half
- Integrated third-party APIs for file uploads with real-time progress and error displays via **Server-Side Events** with **React**, **Go channels** and the **Gin** framework reducing error response time by **30%** to improve user experience
- Optimized performance through **Redis** caching, accelerating data workflow runtime by **80%** through pre-processing
- Automated container deployment to **ECS Fargate** using Encore backend framework, optimizing resource provisioning (**PostgreSQL**, **API Gateway**) and reducing DevOps overhead by **25%**
- Developed a **REST API** in **Go** using an open source backend framework to simplify future third-party API integrations and replacements and enabling faster feature development

### Emailistics

August 2023 - December 2023

Full-Stack Developer

Toronto, Ontario

- Integrated 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
- Implemented token validation with **Golang** to prevent the use of expired **JSON Web Tokens (JWT)**, reducing system exceptions by **90%** and improving overall application reliability and security by ensuring only valid tokens are processed
- Enhanced application UI by redesigning menu structures, optimizing button placements, and applying consistent design patterns using **Javascript** and **Node.js** as well as implementing real-time error handling with **Golang**

### 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
- Designed and implemented **Kafka** services using the **Outbox Pattern** to enable reliable event-driven communication in a **microservices** architecture, enhancing system scalability and decoupling while ensuring data consistency
- Worked with **Docker**, **Grafana**, and **Golang** to investigate and debug database errors, enhancing error specificity to streamline troubleshooting and reduce resolution times

### Intelix Technologies Inc.

September 2021 - December 2021


Full-Stack Developer

Toronto, Ontario

- Created a prototype using **Azure Logic Apps**, **Javascript**, and **Node.js** for importing thousands of documents to the company database, utilizing minimal connections to **minimize cost** by **50%** and **optimize efficiency** by **10x**


## 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
- 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 **React animations** using Framer and made the app **mobile-friendly** to improve **user experience**

## Technical Skills

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

**Technologies/Frameworks:** Git, React, Node.js, Figma, MongoDB, PostgreSQL, Docker, Kafka, Bash, Grafana, Redis

**Cloud Technologies:** GCP, AWS, Azure