Kenisha Perera

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Technical Skills

Languages: JavaScript, TypeScript, C/C++, Python, Java, SQL, Golang, Kotlin, HTML, CSS
Technologies/Frameworks: React, Git, Node.js, Figma, MongoDB, PostgreSQL, Docker, Kafka, Bash, Grafana, Redis
Cloud Technologies: GCP, Azure

Education

University of Waterloo **September 2020 - December 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*

Work Experience

Harbinger Motors **September 2024 - December 2024**
Full-Stack Developer *Los Angeles, California*

- Implemented over-the-air flashing features for internal software release platform using **Go**, **React with TypeScript**, and **Docker**, deploying on **Google Cloud Platform (GCP)**, reducing flashing time by **50%**
- 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 to improve user experience
- Developed a **REST API** in Go using an open source backend framework to enhance code re-usability and simplify future third-party API integrations and replacements
- Integrated workflows to automate REST API calls to fetch vehicle data and populate **SQL** tables for a fleet database
- Optimized performance through **Redis** caching, accelerating data workflow runtime by **80%** through pre-processing

Emailgistics **August 2023 - December 2023**
Full-Stack Developer *Toronto, Ontario*

- Streamlined user experience by implementing real-time error handling with **Golang** and enhancing the interface's visual cohesion through **consistent design patterns** and **clear navigation cues**
- Implemented token validation with **Golang** to prevent the use of expired tokens, reducing system exceptions and improving overall application reliability and security by ensuring only valid tokens are processed
- 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
- 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

Projects

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

- 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**