

# Towa Quimbayo

[in LinkedIn](#) | [\(778\) 580 - 8243](tel:(778)580-8243) | [towaquimbayo.com](https://towaquimbayo.com) | [towacurtis@hotmail.com](mailto:towacurtis@hotmail.com) | [GitHub](#) | Vancouver, BC

## Technical Skills

**Languages:** JavaScript, TypeScript, HTML5, CSS3, Java, Python, SQL, C, C#, Kotlin, Dart, PHP, SASS/SCSS, YAML, R

**Frameworks:** Node.js, Express.js, React.js, Redux, Next.js, Django, Prisma ORM, Tailwind CSS, Bootstrap, jQuery, Flask, Flutter, React Native

**Databases:** MongoDB, PostgreSQL, MySQL, SQLite, Firebase, Amazon DynamoDB, MariaDB, Couchbase

**Tools:** GitHub, AWS (Lambda, Cognito), GCP, Postman, Agile/Scrum, Figma, WordPress, Open AI, Google Colab, Jupyter, Android Studio, Jira

**Other:** Microservices, Serverless Architectures, REST API Development, OOP, UI/UX, CI/CD, JWT, OAuth, W3C Accessibility, SEO, Japanese

**Work Authorization:** Dual Citizen of Canada and Japan

## Work Experience

**Software Engineer** | [PlaceSpeak](#) (Vancouver, BC)

April 2024 - May 2024

- Collaborated with a team of 5 developers to develop a web application using **React.js**, **Redux**, **Django**, and **PostgreSQL**, implementing gamification features, ensuring seamless integration and future scalability for their civic engagement platform.
- Executed **30+ rigorous test cases**, ensuring robust user flow, cross-browser compatibility, and seamless interactions, resulting in a secure platform with enhanced stability and performance.
- Implemented address validation and autofill using Mapbox API, automating address validations and conversions into coordinates.

**Software Engineer** | [Get Kindr](#) (Vancouver, BC)

January 2024 - April 2024

- Led full-stack development of a dynamic volunteer platform using **Next.js**, **TypeScript**, **Tailwind CSS**, **PostgreSQL**, and **Prisma**.
- Implemented secure **OAuth** authentication for Google users and **Next Auth** with **JWT** cookie-based authentication, streamlining user onboarding while safeguarding user data and integrity against SQL injection, XSS attacks, and potential vulnerabilities.

**Software Developer Co-op** | Payment Source Inc. (Port Moody, BC)

January 2023 - Aug 2023

- Engineered a Text Recognition API using **Next.js**, **React.js**, **Redux**, **C#** and **AWS Lambda**, integrating **Google Cloud Vision API** to automate the verification of customer bank information, significantly reducing the manual verification time and boosting efficiency.
- Designed and executed **75+ AWS .NET Mock Lambda test cases** for the Text Recognition API, ensuring high reliability and reducing potential production issues.
- Streamlined design workflows by creating comprehensive Figma brand libraries, facilitating the development of **150+ high-fidelity prototypes** and wireframes, leading to a significant reduction in design iteration time.
- Enhanced the Canada Post Prepaid Card mobile app in **React Native** by upgrading the Expo SDK, reducing app crash rates.
- Spearheaded Web W3C accessibility initiatives, ensuring **100% compliance** for all customer-facing web applications.
- Optimized development workflows by enhancing an internal bot using **JavaScript** and **Node.js** by automating deployment pipelines, feature enhancements, improving cross-platform integration, and streamlining robust data management with **Amazon DynamoDB**.

**Web Developer** | Evolve Branding (Vancouver, BC)

January 2021 - March 2022

- Spearheaded **80+ projects** encompassing static web applications using **WordPress**, **HTML5**, **CSS3**, **JavaScript**, and **PHP** while also driving initiatives in logo design and brand development, delivering solutions that elevated client visibility and engagement.
- Led the end-to-end development of an **80+ page** web application for Dowco Consultants using **HTML5**, **CSS3**, **JavaScript** and **PHP**, implementing modern UI components and effective SEO practices, leading to increased user engagement and higher retention rate.

## Projects

[KEMLabels](#) | React.js, Redux, CSS3, Node.js, Express.js, JavaScript, MongoDB, GitHub Actions

[kemlabels.towaquimbayo.com](https://kemlabels.towaquimbayo.com)

- Engineered and designed the full-stack web application, implementing a robust form state management across 14+ pages, ensuring smooth user interactions, error handling, a **93.9% engagement rate**, and a **6.1% bounce rate**, significantly improving user retention.
- Integrated **Stripe** and **Coinbase** payments, allowing seamless transactions for purchasing shipping labels with support for bulk orders via Excel spreadsheet, and providing a transparent transaction history for users, contributing to an **8.9K event count**.

[Garaage](#) | Flutter, Dart, Firebase, Google Gemini API v1.5 Pro, Google ARCore, Google Cloud Platform (GCP)

- Developed a mobile application for vehicle diagnostics and maintenance to transform how users monitor and manage their vehicles.
- Integrated Bluetooth connectivity with OBD2 scanner capabilities to enable seamless real-time diagnostics and comprehensive vehicle health reports generated by **Google Gemini API**, and developed an **AR-based** vehicle component identification system.

## Education

**British Columbia Institute of Technology**

January 2022 - May 2024

*Diploma, Computer Systems Technology (GPA: 93%)*

*Burnaby, BC*

**British Columbia Institute of Technology**

September 2019 - April 2021

*Diploma, New Media Design and Web Development (GPA: 86%)*

*Vancouver, BC*

## Achievements

**YVR Smart Airport** (1st Place for \$5000 as [Baaji](#)) | React.js, Redux, Tailwind CSS, Node.js, Python, Flask, YOLOv8, Raspberry Pi

April 2024

**Beeloud and Build AI 2024** (1st Place for \$1000 as [KindSettle](#)) | React.js, Redux, Node.js, TypeScript, JavaScript, Couchbase

May 2024