

# Towa Quimbayo

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## Technical Skills

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

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

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

**Tools:** Git/GitHub, AWS (Lambda, Cognito), GCP, Postman, Figma, Open AI, JWT, OAuth, W3C Accessibility, WordPress, Jira

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

## Work Experience

### Software Developer (Co-op)

January 2023 - August 2023

Payment Source Inc.

Port Moody, BC

- Spearheaded the development of a partner portal web application, implementing responsive front-end UI components and multilingual support in English and French using React.js and integrated secure authentication workflows with AWS Cognito.
- Engineered a Text Recognition API using Next.js, React.js, Redux, C# and AWS Lambda, integrating Google Cloud Vision AI to automate the verification of user's 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.
- Upgraded the Expo SDK for the Canada Post Prepaid Card mobile app using React Native, reducing app crash rates.
- Optimized development workflows by enhancing an internal bot using JavaScript (Node.js) by enhancing features, automating deployment pipelines, improving cross-platform integrations, and streamlining data management with Amazon DynamoDB.
- Spearheaded Web W3C accessibility initiatives, achieving AA compliance standards for all customer-facing applications.
- 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.

### Web Developer

January 2021 - March 2022

Evolve Branding

Vancouver, BC

- Led the end-to-end development of an 80+ page web app for Dowco Consultants using HTML5, CSS3, JavaScript and PHP, creating an intuitive UI and implementing effective SEO strategies, leading to increased user engagement and retention rate.
- Revamped TASTY Indian Bistro's web application using WordPress and Elementor, optimizing SEO strategies with Yoast SEO to increase search engine visibility and enhancing UI that significantly increased website traffic and engagement.

## Projects

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

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

- Engineered and designed a web application with robust form state management across 14+ pages, enhancing error handling, and achieving a 93.9% engagement rate with 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.

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

- Developed a mobile app for vehicle diagnostics and maintenance, enhancing user's ability to 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 2025 - Present

Bachelor of Science Degree (BScACS), Applied Computer Science (Database Option)

Burnaby, BC

### 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

## Hackathon Achievements

[YVR Smart Airport \(Baaji\)](#) | React.js, Redux, Tailwind CSS, Python, Flask, MySQL, YOLOv8, TensorFlow, Raspberry Pi

April 2024

- Won 1st place for \$5,000 by developing an AI-powered airport maintenance monitoring application to enhance passenger experience and optimize operational efficiency at Vancouver International Airport.