

# 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, Shopify Hydrogen, React Native, Flutter

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

**Tools:** Git/GitHub, Bitbucket, AWS (Lambda, Cognito), GCP, Postman, Figma, Shopify, WordPress, Jira, W3C Accessibility

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

## Work Experience

### Associate Full-Stack Developer

AlgaeCal Inc.

May 2025 - Present

Vancouver, BC

- Contributed to the full rebuild of AlgaeCal's eCommerce platform using a modern headless architecture with Shopify Hydrogen, Remix, TypeScript, and Builder.io, enabling a faster, scalable, and marketer-friendly content workflow.
- Developed and maintained over 100+ reusable custom UI-Kit components in React.js and TypeScript, integrating in Builder.io as functional blocks with dynamic inputs to enable marketers to visually build high-conversion product pages with ease.
- Contributed to a suite of 400+ Jest unit tests and visual testing using Chromatic with Storybook in the UI-Kit to ensure long-term maintainability and prevent regression during refactors and design updates.
- Participated in Agile development in a cross-functional team of 25+ engineers, PMs, and designers across biweekly sprints and daily standups, proactively addressing blockers and contributing to sprint goals.

### Software Developer (Co-op)

Payment Source Inc.

January 2023 - August 2023

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 users' 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.

### Web Developer

Evolve Branding

January 2021 - March 2022

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.

## Projects

### Garaage | 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' 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.

### KEMLabels | React.js, Redux, CSS3, Node.js, Express.js, JavaScript, MongoDB, GitHub Actions

- 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.

## Education

### **British Columbia Institute of Technology**

Bachelor of Science Degree (BScACS), Applied Computer Science (GPA: 90%)

January 2025 - Present

Burnaby, BC

### **British Columbia Institute of Technology**

Diploma, Computer Systems Technology (GPA: 93%)

January 2022 - May 2024

Burnaby, BC

## Hackathon Achievements

### YVR Smart Airport (Baai) | 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.