

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

May 2025 - Present

AlgaeCal Inc.

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)

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 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

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.

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'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.

[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

January 2025 - Present

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

Burnaby, BC

British Columbia Institute of Technology

January 2022 - May 2024

Diploma, Computer Systems Technology (GPA: 93%)

Burnaby, BC

Hackathon Achievements

[YVR Smart Airport \(Baaj\)](#) | 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.