Towa Quimbayo

[in] LinkedIn | 📱 (778) 580 - 8243 | 🌐 towaquimbayo.com | ✉ towacurtis@hotmail.com | ○ GitHub | Vancouver, BC

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, 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, Open AI, Google Colab, Jupyter, WordPress, 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 Developer (Co-op)   January 2023 - Aug 2023
Payment Source Inc.   *Port Moody, BC*
- 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, achieving **AA compliance standards** across 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   January 2021 - March 2022
Evolve Branding   *Vancouver, BC*
- 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.
- Spearheaded **80+ projects** encompassing static web applications using **WordPress**, **HTML5, CSS3**, **JavaScript**, and **PHP**.

Projects

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

PlaceSpeak | React.js, Redux, CSS3, JavaScript, Django, PostgreSQL, Python, Mapbox API, Vercel   placespeak.towaquimbayo.com
- Developed a location-based civic engagement web application with a team of 5 developers implementing gamification features.
- 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.

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*

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.

Beeloud and Build AI 2024 (KindSettle) | React.js, Redux, Node.js, TypeScript, JavaScript, Couchbase   May 2024
- Won 1st place for $1,000 by developing the first legal mediation platform designed specifically for co-parents handling child support matters after divorce, reducing the need for court involvement.