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 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.
- Enhanced the Canada Post Prepaid Card mobile app in React Native by upgrading the Expo SDK, 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 across 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 user interface that significantly increased website traffic and engagement.

Projects

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

[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 to enhance 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*

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.