

Towa Quimbayo

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Technical Skills

Languages: JavaScript, TypeScript, React JS, HTML5, Java, Next JS, SQL, Python, Redux, Node JS, C#, C, CSS3, PostgreSQL, OAuth, Express, JWT, Django, Flask, React Native, Kotlin, MongoDB, PyTorch, TensorFlow, Keras, YAML, PHP, Prisma ORM, Tailwind, SCSS, GSAP

Software: Figma, GitHub, AWS, Lambda, Open AI, Google Cloud Platform, Adobe, Android Studio, WordPress, Couchbase, Firebase

Other: UI/UX Design, Object-Oriented Programming, Full-Stack, Microservice, REST API Development, Predictive Modelling, Japanese

Work Experience

Software Engineer, *PlaceSpeak*

April 2024 - May 2024

- Collaborated with a team to develop a full-stack dynamic web application using React JS, Django, and PostgreSQL, completing 30+ user stories with 232 commits on GitHub, enhancing UI components for their civic engagement platform.
- Led the development of a gamification system, incorporating badge releases, achievement unlocks, and a points-rewarding system to incentivize user engagement and reduce churn rates.
- Implemented address validation and address autofill using Mapbox API for geolocation and geo points, enabling users to add, remove, and edit their places and allowing automatic validations and conversion of addresses into coordinates.

Software Engineer, *Get Kindr*

January 2024 - April 2024

- Spearheaded full-stack development using Next JS, React JS, JavaScript, Tailwind CSS, PostgreSQL and Vercel, crafting dynamic web pages and forms tailored for Volunteers and Organizations, resulting in enhanced user engagement.
- Contributed 473 total hours of work, completing 21 user stories and 467 GitHub commits, to engineer a comprehensive system connecting volunteers, charities and sponsors, incentivizing acts of kindness and fostering community engagement.
- Implemented OAuth for Google users and Next Auth with JWT cookie-based authentication, ensuring streamlined and secure authentication processes, and safeguarding user data against malicious attacks.

Software Developer Co-op, *Payment Source Inc.*

January 2023 - Aug 2023

- Spearheaded 10 pivotal projects, showcasing dedication through 540 impactful GitHub commits across 8 distinct internal and customer-facing applications.
- Engineered a cutting-edge Text Recognition API in C# and AWS Lambda, integrating Google Cloud Vision API, resulting in a significant reduction in manual bank information verification time. Designed and executed 75 rigorous test cases, ensuring robustness and reliability in handling file uploads and confidence score thresholds.
- Revolutionized design processes by creating comprehensive Figma brand libraries, facilitating the development of over 150 high-fidelity prototypes, leading to a significant reduction in design iteration time.
- Innovated internal development workflows by contributing to the Gitmo bot, optimizing development processes through feature integrations, automated deployment pipelines, and robust data management with DynamoDB.

Web Developer, *Evolve Branding*

January 2021 - March 2022

- Spearheaded over 80 projects encompassing full-stack web applications, logo design, UI/UX enhancements, and comprehensive brand development initiatives, delivering impactful solutions across diverse domains.
- Led full-stack web development for Dowco Consultants, orchestrating the creation of over 80 pages with modern designs and user-centric experiences, resulting in heightened engagement and brand resonance.

Projects

KEMLabels | React JS, Redux, Node JS, Stripe, Crypto, MongoDB, GitHub Actions

kemlabels.com

- Led the development and design of the entire full-stack web application using React JS, focusing on optimizing user experience through meticulous UI/UX design considerations, including form applications and layout.
- Integrated Stripe and Crypto payments for purchasing shipping labels and support for bulk orders via Excel spreadsheet.

IntelliScan | React JS, Redux, TypeScript, Node JS, JWT, Python, AI Modeling, Gemma2B, MongoDB

intelliscan.towaquimbayo.com

- Developed an AI-powered web application for securely uploading PDF files and interacting with a self-deployed AI model.
- Managed the full-stack development, including form validations, error handling, and authentication with JWT and HttpOnly cookies for strong security measures to prevent XSS and MITM attacks, ensuring user data integrity.

Education

Computer Systems Technology (Diploma), Cumulative GPA: 93%

January 2022 - May 2024

British Columbia Institute of Technology

Burnaby/Vancouver, B.C.

New Media Design and Web Development (Diploma), Cumulative GPA: 86%

September 2019 - April 2021

British Columbia Institute of Technology

Vancouver, B.C.

Hackathons

YVR Smart Airport, 1st Place Winner \$5000 | React JS, Redux, Tailwind, Node JS, Python, Flask, YOLOv8

April 2024

Beeloud and Build AI 2024, 1st Place Winner \$1000 | React JS, Redux, Node JS, TypeScript, JavaScript, Couchbase

May 2024