Towa Quimbayo

in LinkedIn | 📱 (778) 580 - 8243 | 🌐 towaquimbayo.com | ✉ towacurtis@hotmail.com | ⌗ GitHub

Technical Skills

Languages: JavaScript, Node.js, TypeScript, React.js, HTML5, Java, Next.js, SQL, Python, Redux, C#, C, CSS3, PostgreSQL, OAuth, Express.js, Django, W3C Accessibility, Flask, React Native, Kotlin, MongoDB, PyTorch, TensorFlow, Keras, YAML, PHP, Prisma ORM, Tailwind, SCSS
Software: Figma, GitHub, JWT, 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 application using React.js, Django, and PostgreSQL, implementing a provisional schema to support gamification features, ensuring seamless integration and future scalability 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 address validations and conversion of addresses into geo-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.
- Engineered a comprehensive system connecting volunteers, charities, sponsors, and donors in a unified platform, incentivizing acts of kindness and fostering community engagement by introducing a token-based reward system and gamifying user interactions.
- Implemented OAuth for Google users and Next Auth with JWT cookie token-based authentication, ensuring streamlined and secure authentication processes, and safeguarding user data and integrity against SQL injection, XSS attacks and potential vulnerabiltes.

Software Developer Co-op, *Payment Source Inc.*   January 2023 - Aug 2023
- 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.
- Enhanced the Canada Post Prepaid Card mobile app in React Native, elevating user satisfaction through UI enhancements.
- Spearheaded Web W3C accessibility initiatives, ensuring compliance for customer-facing web applications.
- 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, Express.js, Stripe, Coinbase, MongoDB, GitHub Actions, XLSX File Parsing   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 and implementing GitHub Actions for automating the deployment process.
- Integrated Stripe and Crypto Coinbase payments for purchasing shipping labels and support for bulk orders via Excel spreadsheet.

IntelliScan | React.js, Redux, Node.js, TypeScript, 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, rate-limiting, error handling, and authentication with JWT and HttpOnly cookies for strong security measures to prevent XSS and SQL injection 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