

Mustafa Al-Azzawe

FRONTEND DEVELOPER & UX ENGINEER

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SUMMARY

Frontend developer specializing in building high-performance, scalable user interfaces with strong focus on frontend optimization and accessibility. I create reusable component libraries and deliver responsive, mobile-first experiences collaborating closely with UX designers and architects. Experienced in translating designs into production-ready code while optimizing for performance across devices and browsers.

EDUCATION

Ontario Tech University September 2016 - September 2021
BSc in Computer Science (Honours)

SKILLS

Frontend: React, React Hooks, TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS, JSX
State Management & Performance: Redux, Zustand, React performance optimization (memoization, callbacks, lazy loading, code splitting)
Build Tools & Testing: Webpack, Vite, NPM, Yarn, NodeJS, JEST, Git, Bitbucket
Design & Accessibility: Figma, Responsive Design, Mobile-First, PWA, WCAG/AODA standards
Backend & APIs: RESTful APIs, GraphQL, Flask, FastAPI
Cloud & DevOps: Google Cloud Platform (GCP), Docker, CI/CD, GitHub Actions

EXPERIENCE

MetaWorldX Toronto, ON, Canada
Contract Software Developer November 2024 - Present

- Developed user-facing features using React and TypeScript with frontend optimization techniques including lazy loading, code splitting, and memoization for optimal performance across devices
- Built reusable React components and integrated with RESTful APIs, collaborating with designers and product managers on architecture and maintainability
- Utilized modern build tools (Webpack) and cloud deployment on GCP with CI/CD pipelines

NTRY GTA Toronto, ON, Canada
Software Developer November 2022 - November 2023

- Led development of React TypeScript applications with extensive frontend optimization implementing memoization (useMemo, useCallback), lazy loading, code splitting, and asset compression for performance-critical 3D applications
- Built reusable, scalable component libraries translating Figma designs into high-quality code, working closely with UX designers and architects on software architecture and maintainability
- Utilized state management libraries (Redux, Zustand) and implemented responsive, mobile-first design patterns ensuring accessibility compliance across devices

3D CityScapes Toronto, ON, Canada
Software Developer September 2021 - November 2022

- Developed responsive React frontends with GraphQL and RESTful API integration, optimizing components for performance across devices
- Built interactive user interfaces with focus on accessibility best practices and mobile web optimization
- Leveraged NodeJS, NPM, and modern frontend build pipelines for efficient development workflows

PROJECTS

Semantic Color Design System [Github Repo](#) | [Live Preview](#)

Production-ready design system demonstrating modern React patterns, accessibility compliance, and frontend best practices.

- Built modular JavaScript (ES6+) application with focus on performance optimization and code maintainability following design system best practices
- Implemented comprehensive WCAG accessibility standards with real-time contrast validation for AODA compliance
- Deployed using GitHub Actions CI/CD pipeline with automated testing demonstrating continuous integration practices

Devil Fruit Database [Github Repo](#) | [Live Preview](#)

Full-stack React application with TypeScript frontend and Python backend deployed to Google Cloud Platform.

- Developed responsive React TypeScript frontend using modern React patterns, hooks, and styled-components with mobile-first responsive design
- Built RESTful API integration with comprehensive error handling and asynchronous data management, demonstrating full-stack capabilities
- Deployed to GCP using Docker containerization and GitHub Actions CI/CD with unit tests demonstrating testing best practices