



Eric Tumu Muheki

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EDUCATION

University of Windsor

Bachelors in Computer Science.

Windsor, Ontario – Canada

Completed

PROJECTS

[Pop Fruity](#) – E-Commerce Beverage 3D App | Next JS, ThreeJS, GSAP, Tailwind CSS, Prismic CMS, Drei,

Completed

- Developed **Pop Fruity**, an interactive beverage website that showcases five refreshing soda flavors through a fun and engaging experience.
- Built the frontend using **Next.js**, styled with **Tailwind CSS**, and integrated **Prismic CMS** for content management.
- Implemented **3D visuals** using **Three.js** and **Drei**, combined with **GSAP animations** for smooth, dynamic interactions.
- Designed a **playful and responsive interface** that highlights each flavor with immersive motion effects and intuitive navigation.
- Optimized performance and user experience by ensuring **fast load times**, cross-browser compatibility, and mobile responsiveness.
- Configured **CI/CD pipelines** using **GitHub Actions**, deployed website on **Vercel**.

[Coach Career](#) – AI Saas Career Guidance App | Next JS, TypeScript, Clerk, Neon Postgres, Inngest

Completed

- Designed and developed a **full stack Saas AI powered web application** that delivers career related advice through interactive features such as; **an AI career chat**, **resume analysis**, **job compatibility feedback**, and **personalized career roadmaps**.
- Built with the **Next Js framework**, **tailwind CSS**, **Shadcn** and **spline components** for the front end, **Neon Postgres Database** for the backend storage and **Clerk** for handling and **payments and package plan options** as well as **OAuth User Authentication**.
- Integrated the **Inngest AI Agent Kit** to handle all the various AI related queries made from within the app.
- Implemented **cloud storage** using **imagekit.io** to **store and retrieve** user's resume data.
- Implemented **React Flow** to display a career Roadmap with information from the database.
- Configured my **CI/CD pipelines** with **GitHub** and **Vercel**.
- **Version control** maintained via **GitHub**.

[Time T](#) – AI Travel Planner App | React JS, Gemini AI, Firebase, Tailwind CSS

Completed

- Developed a **full stack AI powered web application** that generates **personalized trip planning advice** using **Google Gemini AI**.
- Built with the **React framework** (frontend) and **Tailwind CSS** alongside **shadcn UI** for a **responsive, modular, and accessible user interface** and **Firebase Database** for the backend storage.
- Integrated **Google Places API** for various functions such as **location-based suggestions** during trip planning, the new **Google Text search feature** for retrieving searched place images among others.

- Utilized **Firestore Authentication** to manage **secure user access and sessions**.
- Designed **backend logic** to **store and retrieve trip plan data** and stored the information on the **Firestore database**.
- Implemented **intelligent filtering** to help users **refine travel options** based on interests and preferences.
- Configured my **CI/CD pipelines** with **GitHub and Vercel**.
- **Version control** maintained via **GitHub**.

TuMunch - Food Ordering App | React JS, Express, MongoDB, NodeJS, Stripe (MERN)

Completed

- Developed a **full stack web application** for food ordering, including a **product showcase, shopping cart, user Authentication, order management system, live order status, search functionality** and **payment integration**.
- Built with the **React framework** (frontend), **Express/Node.js** (backend), and **MongoDB** (database); payments processed using **Stripe API**.
- Created a **custom authentication system** in the backend to manage user sessions and persist cart data.
- Integrated a **food category filtering** feature that dynamically displays food items based on selected filters.
- **Hosted backend** on **Render**, used **UptimeRobot** to ping the webpage and configured **CI/CD pipelines** using **GitHub Actions**.
- Configured my **CI/CD pipelines** with **GitHub pages**.
- **Version control** maintained via **GitHub**.

EchoLyf - Cross-Platform Music App | Flutter, Dart

Completed

- Developed a **cross platform mobile music player app** for **iOS** and **Android**, featuring a sleek **audio player, seek slider, album view, YouTube integration**, and a **Top 100 Music Chart**.
- Built using the **Flutter framework** and **Dart**, and tested with **Android Studio** on devices including **Pixel 9XL** simulators.
- Integrated **Audiomack API** for streaming real-time music content within the app.
- Included **news updates** using the **NewsAPI**, and weekly music chart data via the **KoreanThinker JSON** package
- Designed with responsive UI, including themed **progress indicators, page refresh animations**, and **search functionality** for music folders.
- **Version control** managed through **GitHub**.

TECHNICAL SKILLS

Languages: C, C++, java, python, dart, MySQL, MongoDB, NodeJS, assembly, HTML5, CSS3, JavaScript, R, typescript, Tailwind CSS, ThreeJS, GSAP

Frameworks: ReactJS, NextJS, Flutter, Django

Developer Tools: Android Studio, Visual Studio, IntelliJ, Git, GitHub, GitLab Blender, Postman, Insomnia, Thunder Client. AWS, Google Cloud, Azure, Firebase, Gemini AI, Clerk, Neon Postgres DB, Inngest, Prismic CMS

Other skills: Windows, MacOS, Linux, Unix, Microsoft Word, Microsoft Excel, Microsoft database, Microsoft PowerPoint, Microsoft publisher, Microsoft Outlook, Agile programming, Computer Networking, IT support, User Account Management, Version Control, Cybersecurity Basics, Error Debugging, Virtual environments, Canva, API integration, STFP, VPN's, Problem solving skills, Critical thinking, Quick decision making, SDLC, Kubernetes, Docker, Temporal, CI/CD