TREVOUR WALUBI

Frontend Engineer | React | Next.js | TypeScript

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https://trevour-walubi-portfolio.vercel.app ~ https://github.com/trevourhaldin01/

SUMMARY

I am a frontend engineer with 3 years of experience specializing in building scalable, high-performance web applications using React, Next.js, and TypeScript. Proficient in modern technologies and frameworks, with a passion for artificial intelligence, system design, algorithm optimization and web3.

My expertise extends beyond coding to include system design and security, ensuring robust, secure and scalable systems. I've successfully developed solutions in various sectors including ecommerce, health, media, ai and many more. Eager to learn new things, technologies and add to my skills and knowledge.

SKILLS

Front-End: JavaScript, TypeScript, ReactJS, NextJS, TailwindCSS, bootstrap, Framer Motion, WordPress.

Back-End: NodeJS, Django, Bun

Databases: MySQL, PostgreSQL, Mongo DB, SupaBase

Version Control: Git, GitHub, GitLab

DevOps: CI & CD, Docker

Professional: Collaborative, Problem-Solving, Adaptability

PROFESSIONAL WORK EXPERIENCE

Fulltime Software Engineer @ Next Media Uganda **- June 2023 – Present**

Next Media Uganda is recognised as the foremost broadcast and streaming media company in East Africa, actively impacting millions of individuals with problem solving solutions. Dedicated to providing digital content across various platforms such as Television, News,

mobile, online and radio. Contributed to several in-house and out sourced projects with successful execution.

Afromobile Streaming Integration | https://afromobile.com/ :

- Part of the team that enabled onboarding of channels onto the new afromobile app that enables seamless streaming and playback functionalities.

Next Media Guest Management System | (internal tool) :

- Designed and developed a responsive, modern UI for the Guest Management System using Next.js and Tailwind CSS, ensuring a seamless user experience across devices.
- The system provides real-time alerts and notifications for efficient time management.
- The system provides top management with a detailed dashboard highlighting guest reports on daily, weekly and monthly basis.

Technologies Used: NextJS(Frontend), Django(Backend), AWS(hosting), MySQL, Docker

Remote Freelance Frontend Engineer @Ilerai – **June 2024 – December 2024**

Ilerai is a technology company dedicated to developing healthcare solutions that encompass healthcare education, telemedicine, health econometrics and hospital management systems. Our approach involves extensive ground research and design to craft custom solutions tailored to specific locations and their unique needs. Through innovation and precision, we strive to address critical challenges in healthcare ensuring impactful solutions that positively impact communities.

Uhai Healthcare Application | https://uhaihealthcare.com/ **:**

- Uhai Health Care is a comprehensive mobile and web application that provides schools in Uganda with centralized access to medical treatment through a unified system.
- The platform facilitates the referral of schools to experienced doctors and meticulously tracks students' medical histories.
- Implementing a de coupled system ensured efficient scalability of our infrastructure and separation of concerns.
- Implementing a no downtime frontend application with real-time updated data and modular structure ensured high usability and reliability by schools and doctors and district heads.
- Worked with the backend team to introduce database query indexing and redis caching to improve data access efficiency by 80%
- Through strategic outreach efforts, we successfully onboarded over 10 schools with more than 6000 students. This initiative significantly improved healthcare treatment and reporting, as evidenced by detailed reporting and data analysis, resulting in an improvement of over 75% overall effectiveness.

Technologies Used: TypeScript, ReactJS, DevOps, Docker, Redis and Ant Design UI

Remote Freelance Fullstack Software Engineer @ Acres Ug – **August 2024 – January 2025**

The Centre for Rapid Evidence Synthesis (ACRES) is a Non-Governmental Research Organization based in Kampala, Uganda, whose core work involves supporting policy and decision-makers at regional, national and district levels in sectors including health, education, gender, youth and renewable energy to strengthen access to accurate and timely evidence for policies and decisions.

The EIDM ToolMap | https://tools.acres.or.ug/ :

- The Living EIDM ToolMap is an open-access, web-based repository of digital tools designed to assist policymakers and knowledge brokers to facilitate Evidence-informed Decision-Making (EIDM).
- Enhanced access to existing digital tools that are used in various EIDM processes.
- Implemented smooth registration of new tools that are helpful in various EIDM processes.

Technologies Used: HTML5, Bootstrap, Jquery, Django, PostgreSQL, AWS

EDUCATION

2019-2023 – Bsc. Telecommunications Engineering **– Makerere University**