



ERICK OTIENO

Software Developer

My Contact

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Skills

- Proficient in JavaScript libraries and frameworks such as ReactJS, NextJS, and React Native.
- Experience with NoSQL databases, including MongoDB, Supabase, and Firebase Cloud Firestore.
- Knowledge of fully managed backend services such as Google Cloud Platform and AWS.
- Familiarity with low/no-code options like WordPress.
- Experience in writing scalable edge functions in NextJS and Supabase, handling user authentication and authorization, and integrating AI models into applications.
- Experience in using REST architecture and GraphQL, to create and consume APIs.
- Knowledge of TypeScript and version control tools like Git and GitHub.
- Strong collaboration skills and ability to work effectively in a team environment.

References

Eng. George Oketch

(www.linkedin.com/in/george-oketch-10058b83)
Business Performance & Logistics
Manager at Bamburi Special
Products – Lafargeholcim

Summary

Highly motivated Software developer with a passion for building innovative and user-friendly applications. Proven ability to work independently and as part of a team, as well as to learn new technologies quickly.

Experience

E-commerce application

Developed an e-commerce application using NextJS, Firebase, React Query, TypeScript, Formik, Yup, React Context, and Tailwind CSS. Implemented features such as user authentication, product browsing and filtering, cart, placing orders, and order tracking. Used React Query to improve application performance and optimize data fetching. Implemented form validation using Formik and Yup. Utilized React context for state management. Created a responsive UI using Tailwind CSS.

One of the main challenges was integrating Safaricom's Daraja API to enable MPESA payments while ensuring the security of sensitive user information.

To overcome this challenge, I conducted thorough research to understand the intricacies of integrating the Daraja API, including the authentication and encryption requirements. Collaborating with the Safaricom team by leveraging their documentation and support, I successfully implemented the MPESA payment integration.

Link: shoppy-woocommerce.vercel.app

Vidawa – The Virtual Doctor

Developed a web platform that provides personalized health advice using AI, leveraging OpenAI's models using their API endpoints. Used NextJS, Firebase, TypeScript, Formik, Yup, React context, Tailwind CSS, Prettier, Husky, and Commitlint. Implemented AI models to provide personalized health advice like a human doctor would. Integrated Formik and Yup for form validation. Used Tailwind CSS for a responsive UI. Ensured code quality using Prettier, Husky, and Commitlint.

One of the biggest challenges was to ensure that the AI models were providing accurate and reliable medical advice, while also making sure that the models did not generate inaccurate information or produce unintended consequences.

To solve this challenge, I worked on improving the prompts given to the user so that the AI models could provide responses that were more aligned with those of a medical professional. I also conducted extensive research to understand the limitations of the AI models and added disclaimers to the platform to remind users that the AI-generated responses were not intended to substitute for professional medical advice and that they should always consult a qualified medical professional for any health concerns.

Link: www.vidawa.top