CHRISTINE NYAGA

FULLSTACK DEVELOPER

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SUMMARY

Full stack software developer with over 2 years of experience crafting robust backend and frontend solutions. Proficient in Ruby, Python, and JavaScript languages for web development, I bring hands-on expertise in developing user-centric applications. Currently in my 3rd year pursuing a Bachelor's degree in Computer Science, I am open to new opportunities where I can leverage my skills and passion for technology in a dynamic environment that fosters continuous learning and professional growth. I am eager to adapt to new environments and learn new technologies.

SKILLS

Html/Css
NodeJs
JavaScript
JavaScript Libraries
(jQuery, React)

Python
Python frameworks
(Django, Flask)
Databases(MySQL, MongoDB, PostgreSQL)

Creativity
Adaptability
Problem Solving
Time Management

PROJECTS

1. GymPro - https://gym-pro.vercel.app/

- Created a fitness website using React that offers users an effortless resource for various exercises for at-home or gym workouts.
- The website has an intuitive user interface with a robust search feature based on different target body parts. I integrated YouTube links to provide supplementary exercise videos and demonstrations to enhance the variety of the platform.
- The website aims to empower users to find exercises that align with their fitness goals and incorporate exercise into their daily routines.

2. Npm package(cart component) - https://www.npmjs.com/package/reusable-cart-component

- Developed a React component that can be incorporated into any React project to offer essential shopping cart features.
- The component is connected to a Django database, all items added to the cart are stored until they are deleted or updated by a user.
- Emphasizing the principles of reusability and efficiency, the React component reduces development time and complexity. By simply installing the component, developers gain access to its features, eliminating the need to build shopping cart functionality from scratch.

3. Authentication App - https://github.com/kristinenyaga/MERN-login

- Crafted using Node.js and React, to provide robust security measures and user-friendly account recovery options. The *authentication app* seamlessly incorporates Two-Factor Authentication (2FA), ensuring the security of user accounts
- MongoDB is used as the database to store user information securely. User passwords are hashed using secure algorithms before storing them in the database to enhance security.
- The implementation of 2FA enhances the security of the application, requiring users to verify their identity through a secondary authentication method. This mitigates the risks associated with unauthorized access.
- The integration of email recovery functionality offers users a reliable mechanism to regain access to their accounts in the event of password loss .

4. Store Databse - https://github.com/kristinenyaga/storefront

- Developed a Django database solution for an e-commerce store. This database system integrates essential functionalities, including user authentication, permission management, store product management, a dynamic cart system, and a streamlined order processing system.
- The user authentication mechanism provides users with security while ensuring data integrity and confidentiality.
- Through permission settings, users have tailored access levels based on user roles and privileges. Store product management enables administrators to manage product catalogs, inventory levels, and pricing structures.
- The cart system enables users to add, remove, and modify items in their carts through data persistence.
- The database was developed on the principle of independence and decoupling. Each component of the database system operates as a standalone Django app, encapsulating distinct functionalities and promoting modularity and maintainability.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science
Kenyatta University. • 2021–2025

Software Engineering
Moringa School. • 2022–2023