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PERSONAL PROFILE

Highly motivated Software Engineer with a strong foundation in software development principles and a passion for creating innovative solutions. Seeking a challenging position to apply my technical skills and contribute to the success of a dynamic software development team.

Education:

Software Engineering
Moringa School, Nairobi
2023

Technical Skills:

- Programming Languages: Python, JavaScript
- Web Development: HTML, CSS, JavaScript, Bootstrap
- Software Development Tools: Git, Postman, Visual Studio Code
- Databases: MySQL, PostgreSQL
- Frameworks: Flask, React
- Operating Systems: Windows, Linux

Project Experience

1. Project Name: MunchHub

Description: MunchHub is a web-based food delivery platform designed to provide users with a seamless and convenient dining experience. The platform is built using React for the frontend, Flask for the backend, and PostgreSQL for the database. MunchHub offers features similar to popular food delivery apps, allowing users to browse restaurants, place orders, track deliveries, and make secure payments.

Technologies Used: React, Flask, Tailwind CSS, PostgreSQL

Key Features:

- **User Authentication:** Implemented secure user registration and login functionality to ensure a personalized experience for each user.
- **Restaurant Listings:** Developed a user-friendly interface for browsing various restaurants, their menus, and special offers.
- **Menu Customization:** Enabled users to customize their orders by selecting items, adding special instructions, and choosing desired quantities.
- **Cart Management:** Implemented a shopping cart system that allows users to add, modify, and remove items before checkout.
- **Real-time Order Tracking:** Integrated functionality for users to track the status of their orders and receive updates in real time.
- **Payment Integration:** Implemented a secure payment gateway to enable users to make online payments with confidence.

Technical Highlights:

- **React:** Utilized React to create dynamic and interactive user interfaces, enhancing the overall user experience.
- **Flask:** Developed a RESTful API using Flask to handle backend functionalities such as order processing, menu retrieval, and user management.
- **Tailwind CSS:** Used Tailwind CSS to style and design the frontend components, ensuring a responsive and visually appealing layout.
- **PostgreSQL:** Employed PostgreSQL to store restaurant information, menus, user profiles, orders, and other relevant data securely.
- **API Integration:** Implemented seamless communication between the frontend and backend using API calls, allowing data to be exchanged efficiently.
- **Security Measures:** Employed best practices for data security, including encryption of sensitive information and validation of user inputs.

MunchHub offers a modern and user-centric solution for food delivery, leveraging a stack of cutting-edge technologies to create a robust and efficient platform that caters to the needs of both customers and restaurants.

2. Project Name: Sokoyetu

Description: Sokoyetu is a vibrant online marketplace dedicated to promoting and selling African handicrafts. Developed using a combination of React for the frontend and Node.js for the backend, Sokoyetu provides a platform for artisans and crafters to showcase their creations to a global audience. This project is a testament to the application of diverse frontend and backend development techniques.

Technologies Used: React, Node.js, JavaScript

Key Features:

- **Artisan Profiles:** Empowered artisans to create unique profiles, showcasing their crafts, skills, and stories.
- **Product Listings:** Developed an intuitive interface for browsing and discovering a wide range of authentic African handicrafts.
- **Secure Transactions:** Implemented secure payment gateways to enable seamless and safe transactions for both buyers and artisans.
- **Reviews and Ratings:** Incorporated a review system to foster trust and provide feedback on artisan products.
- **Multi-Language Support:** Designed the platform to support multiple languages, catering to a global audience.
- **Responsive Design:** Ensured a responsive user experience across various devices, from desktop to mobile.

Technical Highlights:

- **React:** Leveraged React's component-based architecture to create dynamic and interactive user interfaces.
- **Node.js:** Built the backend using Node.js, harnessing its non-blocking I/O and event-driven architecture for efficiency.
- **RESTful API:** Developed a RESTful API to facilitate communication between the frontend and backend.

- Authentication: Implemented secure user authentication to safeguard user accounts and maintain data privacy.
- Database Management: Utilized databases to store product information, user profiles, and transaction records.
- Deployment: Deployed the frontend and backend components to appropriate hosting platforms, ensuring accessibility for users.

Sokoyetu serves as a tribute to African culture and craftsmanship while showcasing the prowess of modern web development techniques. By combining React and Node.js, the project offers an immersive and enjoyable online shopping experience, connecting artisans and art enthusiasts from around the world.

Languages:

- English (Fluent)
- Kiswahili

References:

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