TUMELO KHANYE

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Summary

Highly motivated and detail-oriented Junior Software Developer with a strong focus on frontend development. Proficient in modern web technologies including React.js, Next.js, TypeScript, and Tailwind CSS. Demonstrated expertise in building responsive, user-friendly web applications with a keen eye for design and performance optimization.

Education

North West University   **Feb. 2021 – Persent**
Bachelor of Science in Computer Science and Physics   *Mafikeng, North West*

Relevant Coursework

- Data Structures and Algorithms
- Software Engineering
- Programming(OOP)
- Databases
- Artificial Intelligence
- Computer Networks
- Artificial intelligence (AI)
- Computer Architecture

Experience

Final Year Project   **July 2023 – November 2023**
Student Management app   *North West University*

- Collaborated with a team of developers
- Developed a comprehensive Student Management web application to streamline student data management for educational institutions.
- Utilized a robust tech stack including React.js for the frontend, Node.js and Express for the backend, and MongoDB for the database.
- Implemented user authentication and authorization using JWT and Google Auth to ensure secure access and data protection.
- Developed RESTful APIs for efficient data retrieval and manipulation, ensuring seamless communication between the client and server.
- Incorporated Redux for state management to handle complex application states and improve performance.
- Conducted thorough testing and debugging to ensure functionality, reliability, and scalability of the application.

Projects

Student Accommodations webapp | *React.js, Node.js, Express, MongoDB* 🌐 Link   **March 2024**

- ∗ Developed a full-stack web application designed to streamline the process of finding and managing student accommodation. This platform provides students with an intuitive and efficient way to search for accomodation, while offering landlords the tools to list and manage properties seamlessly.
- ∗ Implemented secure user authentication using JWT for session management and Integrated Google Authentication to allow users to sign in using their Google accounts.
- ∗ Utilized Tailwind CSS to ensure a responsive and mobile-friendly user interface, providing an optimal experience across all devices
- ∗ Employed Redux for state management to maintain a consistent and scalable application state, enabling efficient data handling and UI updates.
- ∗ Developed CRUD operations for accomodation listings using Node.js and Express, allowing landlords to manage their properties easily.
- ∗ Created a dynamic search and filter feature to help students find accommodation based on various criteria such as location, price range, and amenities.
- ∗ Utilized MongoDB to design and manage the database, ensuring efficient storage and retrieval of user and property data.

TudowShop ecommerce webapp | *Next.js, TypeScript, Wix* 🌐 Link   **May 2024**

- ∗ Developed a full-stack e-commerce web application to provide a seamless shopping experience. The project involved creating an intuitive user interface, efficient state management, and robust backend services to handle product data and user authentication.
- ∗ Implemented a responsive and visually appealing user interface using Tailwind CSS and Ensured compatibility across various devices and screen sizes.
- ∗ Created product listing pages with filtering and sorting options and designed detailed product pages with images, descriptions, and reviews.
- ∗ Utilized Zustand for state management to handle global state and ensure efficient data flow across the application.
- ∗ Developed a dynamic shopping cart allowing users to add, remove, and update items.
- ∗ Utilized Wix for backend services, including database management and serverless functions.

Technical Skills

Languages: HTML/CSS, Javascript, Typescript, Node.js, Java, Python, Java, SQL
Developer Tools: VS Code, Github
Technologies/Frameworks: React js, Next.js, Wix, Express