

Kevin Mbiya

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LINKS

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PROFILE

I am a recent Information Technology graduate with a strong foundation in software development principles, algorithms, and data structures. Throughout my academic journey, I have specialized in systems integration and developed proficiency in various programming languages, including Python, JavaScript, C++, HTML, and CSS. My hands-on experience spans full-stack development using frameworks like Django, React.js, and Next.js, where I've built countless projects ranging from management systems to e-commerce.

EDUCATION

Richfield Graduate Institute of Technology

Johannesburg, Gauteng

Graduated in May 2024

B.S. in Information Technology

- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Software engineering, Intro to Machine Learning, Computer and Network Security, Object-Oriented Programming, Intro to Artificial Intelligence, Database Management System.

Relevant Coursework

- CS50: Introduction to Computer Science – Harvard University
- CS50W: Web Programming with Python and JavaScript
- CS50 SQL – Harvard University: Specialized course on database management

PROJECTS

August 2024 – present

Marketplace

Description:

- A social marketplace platform built using Django and NextJs that allows users to post, browse, and interact with product listings in real life.
- Implemented JSON Web Token authentication for security and added middleware to prevent unauthorized access to user data and endpoints
- Build and implemented from scratch a Rest Framework (using the Django Rest Framework) and a GraphQL (using Graphene) for better data streaming resulting in an increase for the user experience.
- Leveraging NextJs server-side rendering, routing with the use of react-query and apollo-client for better user caching and better user experience

Technologies:

- Next.js, Django, Typescript, Rest API, GraphQL, JWT tokens, SQL

Mar 2024 – Avril 2024

Bank Management System

Description:

- Designed a comprehensive banking management system allowing users to manage profiles, track transaction histories, and access real-time banking data.

- integrated third-party APIs, such as Sentry for error monitoring, Plaid for bank integration and Dwolla for transaction processing.
- Implemented Appwrite for user data storage and session management for authentication

Technologies:

- Next.js, Sentry, Plaid API, Dwolla, Appwrite

Achievements:

- Delivered streamlined financial management experience by securely integrating real-time transaction data from Plaid and supporting payment processing through Dwolla. Appwrite's robust data storage and session handling ensured seamless and secure interactions. Sentry's error monitoring enhanced reliability, leading to reduced downtime. The system empowered users with intuitive financial insights, promoting informed financial decisions and trust in data accuracy.

Feb 2024 – Present

Freelance Developer

- Developed and launched 5+ e-commerce websites as a freelance contractor, working with diverse clients to deliver fully functional and optimized online stores.

ACTIVITIES AND LEADERSHIP

Richfield Graduate Institute of Technology

Mar 2023 – Nov 2023

Teaching Assistant

- Leading office hours for 80+ students in the introduction to Computer Science
- Delivering instructions on topic involving OOP, C++, Database Management and Data Structure

School Project

Jun 2023 – Nov 2023

Team leader

- Led a team of three in developing a comprehensive barber management system as part of our final year project.
- Overseeing each phase—from ideation to execution. I ensured we built a robust app featuring real-time online booking.
- A project which was well-received by our peers.

SKILLS

Programming: Python, JavaScript, Typescript, HTML/CSS, Django, SQL, Node.js, React.js, Next.js, C++, C

Tools: Rest framework, GraphQL, Rest API, IntelliJ, Visual Studio, PyCharm, Eclipse, Git, Bootstrap, tailwind, Agile

Soft skills: Communication, Problem Solving, Critical Thinking, Teamwork, Collaboration, Self-Motivated, Time Management.