**Simbarashe Mutombe | Junior Software Engineer**

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Location: Harare, Zimbabwe

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**Professional Profile.**

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A detail oriented Junior Software Engineer with skills in developing scalable web and mobile applications. Equipped with a strong background in Python, JavaScript, C# and other programming languages. I solve complex programming problems and I am also proficient in test driven development, object oriented programming and domain driven programming paradigms.

**Core Skills**.

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**Languages** | Python, Javascript, C#, C, Solidity, Java, SQL(PostgreSQL, MySQL), NoSQL(MongoDB), Bash, HTML/CSS

**Frameworks, Libraries & Technologies** | Django, Flask, TypeScript, ReactJS, NodeJS, Flutter, JQuery, Bootstrap, RabbitMQ, Celery, Redis, Elastic Search,

**Developer Tools** | Apache, APIs(RESTful & Django REST Framework),UX/UI Figma, GitHub, GitLab, Docker, Make, VS-Code, Vim, Emacs, Ubuntu, Vagrant, Shell, Microservices(Kubernetes), GitBash

**Soft Skills & Other** | Exceptional communication skills, Blogging, Teamwork skills, Sharing Skills, Problem-solving skills, The ability to work effectively under pressure.

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**Education And Certifications**.

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**Harare Institute of Technology (HIT)**

Bachelor's Degree in Software Engineering **March 2018 - October 2022**

**ALX Holberton**

Certificate in Software Engineering **September 2022 - November 2023**

**University of Illinois**

Certificate in Cloud Computing (Online)

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**Personal Projects and Career Summary.**

October 2023 - Present **Full Stack Development(Freelancing)**

**NutriSync** - Personalized Nutrition Web App

(Technologies-used) - **Python, Django, React JS, Redis, MySQL, REST API, Vercel**

**Key Responsibilities*:***

* Developing a personalized nutrition web application called Nutrisync that provides tailored recipe suggestions, meal plans, and nutritional education based on the user's nutritional preferences and goals.
* Utilizing Django as the backend framework to handle data processing, user authentication, and database management. Leveraging Django's robust features to efficiently store and retrieve user preferences, recipes, meal plans, and educational content.
* Implementing a responsive and intuitive frontend using React, creating a seamless and user-friendly experience for accessing and interacting with the application's features.
* Employing Redis as a caching system to optimize performance and reduce database load, ensuring quick retrieval of frequently accessed data.
* Utilizing MySQL as the database system to store and manage user profiles, preferences, and other relevant data, ensuring data integrity and security.
* Collaborating closely with a dietician to incorporate their expertise and recommendations into the application's algorithms and content, ensuring accurate and reliable nutritional suggestions.

Nutrisync aims to revolutionize personal nutrition by providing users with tailored recipes, meal plans, and educational content that align with their specific nutritional preferences and goals. The application's intuitive interface and comprehensive features make it a valuable tool for individuals seeking to improve their dietary habits and overall health.

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August 2023 - September 2023 **FullStack Development(Freelance)**

**African Quiz Platform** Web App

Technologies-used *-* **Python, JavaScript, AWS-PostgreSQL-Database, Django, Vercel Deployment, Bootstrap, HTML/CSS**

**Key Responsibilities:**

* Developed an African Quizz Web Application for BGUN Youth Group
* Implemented a user friendly interface using HTML, CSS, and Bootstrap to enhance the overall user experience.
* Designed and developed the backend using Python and the Django framework to handle data processing, user authentication, and database management.
* Utilized AWS PostgreSQL for efficient and secure storage of quiz questions, user profiles, and quiz results.
* Implemented interactive features using JavaScript to enhance user engagement, such as timer countdowns, score tracking, and dynamic content updates.
* Ensured smooth deployment and hosting of the application using Vercel, ensuring high availability.
* Collaborated closely with the BGUN Youth Group to gather requirements, provide regular updates, and incorporate their feedback throughout the development process.
* Conducted thorough testing and debugging to ensure the application is robust and free of errors, ensuring a seamless user experience.
* The African Quiz Web Application is bieng well-received by the BGUN Youth Group, providing an engaging platform for learning about African culture, history, and geography.

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February 2023 - May 2023 **FullStack Development**

Car Rental System

(Technologies-used)*-* **Python, AWS, Django, PostgreSQL, Ajax, Google Maps API, Paynow, Bootsrap, HTML/CSS.**

**Key Responsibilities:**

* Developed a comprehensive car rental platform using Django, enabling car owners to list their vehicles, customers to rent them, and chauffeurs to be hired.
* Implemented secure and efficient payment processing using Paynow, integrating Ecocash as a payment method for seamless transactions.
* Designed and implemented user authentication and permission systems, allowing users to upload, view, and manage their rental histories, ensuring data privacy and security.
* Created a user-friendly interface with HTML, CSS, and Ajax to enhance the overall user experience, enabling smooth navigation and interaction with the platform.
* Demonstrated proficiency in full-stack development, showcasing skills in frontend and backend development, database design, and seamless integration of various technologies.

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February 2022 - June 2022 **Full Stack Development**

AirBnB Clone(Collaboration)

**Key Responsibilities:**

* Implemented a storage engine using Flask and MySQL for an AirBnB Clone project.
* Created a authentication functionality with secure endpoints.

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January 2021 - December 2021 **Full Stack Development**

E-commerce Website

(Tech-used) - **Python, Django, HTML/CSS**

**Key Responsibilities:**

* Implemented an order invoice generator that generates order invoices as PDFs on an online Shoe shop.
* The invoice functionality can only be available for the website admin panel.
* Used Weasyprint to post-process the output of the templating engine.

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