ISHIMWE Frank

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SUMMARY

- Dynamic self-motivated individual with a background in Software Engineering (Backend development using in Javascript using express.js and Front-End using React.js) and Project management.
- Proficient in delivering top-notch solutions to complex technical challenges; particularly adept at troubleshooting intricate issues.
- Holder of an honors degree specializing in Advanced Software Development.

EDUCATION

University of University – Kigali, Rwanda   **May 2021 – January 2025**
BA, Computer and Software Engineering

ALX AFRICA – Kigali, Rwanda   **February 2024 – August 2024**
Backend Development

PLP Community **–** Kenya, Nairobi   **August 2023 – September 2024**
Full Stack Software Development

Secondary A'Level – Karuganda, Gakenke   **2018 - 2021**
Mathematics-Computer science-Economics

WORK EXPERIENCE

Data Structure and Algorithm Coach   **June 2024 –Present**
Rwanda Informatic Olympiad – Kigali, Rwanda
As a Data Structures and Algorithms Coach at the Rwanda Informatic Olympiad, I mentor students in mastering complex algorithmic concepts and problem-solving techniques. I design and deliver engaging lesson plans, conduct workshops to enhance coding skills and provide training on algorithmic thinking and optimization strategies.
Additionally, I assess student progress, offer constructive feedback, and collaborate with fellow coaches to improve the learning experience and prepare students for competitive programming challenges.

Computer Science Teacher   **October 2023 - April 2024**
Excellence Servant Academy – Kigali, Rwanda
As a Computer Science Teacher at Excellence Servant Academy, I created and delivered engaging lesson plans tailored to diverse student needs, ensuring a comprehensive understanding of the curriculum. I utilized innovative teaching methods to foster an interactive learning environment and collaborated with colleagues and school administration to support student growth and development.

PROJECT

- **Restaurant Management System**

  The Restaurant Management System is a web-based application designed to streamline and automate restaurant operations at the College of Science and Technology. Built using React.js for the frontend, Express.js for the backend, and MongoDB for data storage, the system efficiently manages orders, menu items, staff activities, and customer interactions. It provides a user-friendly interface for placing orders, tracking inventory, and generating reports to enhance restaurant efficiency. The system improves workflow management, reduces errors, and enhances the overall dining experience.

- o **Oceanus.com Ecommerce platform**

  Oceanus.com is an innovative e-commerce and online marketing platform designed to connect buyers and multiple sellers, fostering competition and providing a wide range of choices. The website streamlines online transactions with user-friendly navigation, secure payment options, and real-time communication between buyers and sellers. It addresses common e-commerce challenges such as limited seller competition, long delivery times, and poor product quality by implementing quality control measures and efficient logistics.

- **Techacademy Online**

  TechAcademy Online is an online education system designed to provide courses in emerging technologies such as Blockchain, Artificial Intelligence, Cybersecurity, and Cloud Computing. Developed with a user-friendly interface, the platform enables learners to access high-quality content, track progress, and engage in interactive learning experiences. It aims to bridge the knowledge gap by offering accessible and structured courses for students and professionals seeking to enhance their skills in cutting-edge technologies.

SKILLS

- Front-End Development using React.js
- Backend development using Node.js and Express.js
- Database Development using MongoDb and MySQL
- Data structure and Algorithm
- Project management
- Soft skills: Google Workspace

CERTIFICATES

- **Legacy JavaScript Algorithms and Data Structures Certification**   October 16, 2024

  I completed the Legacy JavaScript Algorithms and Data Structures Certification in October 2024, where I gained a solid understanding of JavaScript fundamentals, including ES6, variables, arrays, objects, loops, and functions. The program focused on two main programming paradigms: Object-Oriented Programming (OOP) and Functional Programming (FP), teaching me how to structure code for efficiency and clarity. I also developed proficiency with basic data structures, regular expressions for text processing, and debugging techniques. Through projects like the Palindrome Checker and Cash Register, I applied my knowledge to create practical solutions, strengthening my coding skills.

- **AI Career Essentials (AiCE) Program Certificate**   February 12, 2024 - April 18, 2024

  I completed the AI Career Essentials (AiCE) Program from February to April 2024, where I gained crucial AI literacy skills, equipping me with a solid foundation in both technical and professional knowledge. The program covered various areas such as business research, product and project management, and proficiency in Google Workspace tools. Additionally, I developed skills in data analysis, visualization, Microsoft Office, and key soft skills like teamwork, problem-solving, communication, and time management. I also learned how to utilize AI tools across different fields to optimize performance, preparing me for success in the digital workforce.

- **Freecodecamp Responsiveness Webdesign Certificate February 26, 2024**

  I successfully completed the **Responsive Web Design certification** from FreeCodeCamp, demonstrating

my ability to create dynamic, user-friendly web interfaces that adapt to different devices and screen sizes. I gained proficiency in designing responsive websites using HTML, CSS, and other relevant technologies, building flexible layouts, and implementing media queries. I also focused on optimizing web content to enhance user experience across desktops, tablets, and mobile devices. This certification showcases my competence in creating modern, responsive designs that meet the evolving demands of the digital landscape.

INTERESTS

Technology   Creativity   Problem solving   Reading books

LANGUAGES

Kinyarwanda - Native   English - Conversational   French - Beginner