

DUSHIMIYIMANA ELISA

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Portfolio: <https://dtechel.web.app/>

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SUMMARY

I am an experienced Software Engineer with a strong background in developing scalable web and mobile applications. I am skilled in React.js and Next.js for front-end development, as well as Spring Boot, Node.js, Laravel, and Django (for AI-powered solutions) in back-end development. Proficient in designing and implementing RESTful APIs, ensuring high performance and responsiveness. Additionally, I specialize in mobile app development using Flutter, creating seamless and user-friendly experiences. I excel in agile environments, collaborating with cross-functional teams to deliver innovative solutions. Committed to continuous learning and adapting to new technologies to stay at the forefront of the industry.

EDUCATIONAL BACKGROUND

University Of Rwanda – Kigali, Rwanda

May 2021 – Nov 2024

BSc(Hons) Information System

***Relevant Coursework:** Programming (Python, JavaScript, Java, C, C++, Dart, PHP), Software Engineering, Advanced Databases, Database Programming, Web Development, Mobile Platform Development, Computer Architecture, Computer Networks and Security, Business Intelligence, Technology and Business, Human-Centered Design, E-Business Application and Development, IT Innovation, Information Systems, Operating Systems, and Information System Security.*

PROFESSIONAL WORK EXPERIENCE

Klab Rwanda

December 2024– April 2025

Software development Trainer – Kigali, Rwanda

- Conducted hands-on training in software development, mentoring aspiring developers in modern technologies and best practices.

Future Focus Rwanda

March 2024 – August

Software developer – Kigali, Rwanda

- I worked on developing an e-commerce platform to connect Rwandan small and medium-scale businesses to a larger audience and facilitate online shopping. We used React JS for the front-end, Node.js for the back end, and MongoDB for the database to create a seamless and robust user experience.

ICT CHAMBER RWANDA

July 2024 – October 2024

Software developer - Kigali, Rwanda

- Developed a Medication Reminder and Appointment Management System using Spring Boot, React JS, and Tailwind CSS for seamless user experience and efficient medical scheduling.

ATradezone™

October 2022 – Jan 2024

Software Engineer – Kigali, Rwanda

- Worked on developing a full-stack solution for managing multiple branches and company operations, including a tour management web dashboard using React.js for the front end and Node.js for the back end. Additionally, developed a mobile app using Flutter to provide real-time tour booking and management on mobile devices, helping businesses streamline operations and enhance customer experiences.

PROJECTS

AI-based health care support system

Nov 2024 - Present

Developed an AI-driven healthcare support system using Django, React.js, Tailwind CSS, and Pandas. Implemented intelligent data analysis for patient insights, optimized UI/UX for seamless interaction, and ensured efficient backend processing for real-time support.

Jenga Real Estate Management

Oct 2024 - oct 2024

- Built Jenga Real Estate Management, a platform connecting vendors of plots, houses, and rentals with customers, using React, Spring Boot, and Tailwind CSS for efficient property listing and seamless user interaction
- Developed mobile applications for seamless user experiences, using React Native and Tailwind CSS to build efficient, user-friendly interfaces for iOS and Android platforms.

Future Focus Rwanda E- learning Platform

April 2023 - April 2023

- Developed Future Focus Rwanda, an E-learning platform enabling seamless access to educational resources and courses, using React, Node js, and Tailwind CSS.

Air Pollution Management System Using IoT

March 2023 - March 2023

- Developed an air pollution monitoring system by integrating real-time sensor data with cloud platforms, using Raspberry Pi, ESP8266, and Adafruit for data collection, and web interfaces for controlling IoT devices.

CERTIFICATIONS

Carnegie Mellon University Africa Bridge Program

September 2024 - November 2024

- I successfully completed the CMU Bridge Program at Carnegie Mellon University Africa from September to November 2024, gaining hands-on experience in IoT technologies and developing strong skills in pitching innovative ideas.

ICT CHAMBER Program -Talent 4 start up

July 2024 - Oct 2024

- I successfully graduated from a four-months software engineering training program, deeply immersed in fundamental software engineering concepts, delivered high-quality websites, including a personal portfolio and an e-commerce site, and completed an apprenticeship, honing invaluable software engineering technical and professional skills.

Klab -Tek up skills

September 2023 – December 2023

- Successfully completed the Tek Up Skills program at Klab, focusing on Front-End Development. Gained expertise in modern frameworks like React.js, enhancing skills in responsive UI design and interactive web development.

Digital Skills Foundation

Jan 2023 – November 2023

- Successfully earned the Digital Competency Passport, demonstrating proficiency in essential digital skills, online collaboration, and technology-driven problem-solving.

SKILLS

Programming(Python, Javascript, Java, C, C++, PHP, Dart)	Software development(web & mobile)	Cloud computing(AWS)
Database systems(Postgres, SQL Server, MongoDB)	Data Science	Research
		Teamwork
		Problem solving

INTERESTS

Programming and Software Development	Software Testing	Designing
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LANGUAGES

Kinyarwanda	English	-
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REFERENCE

Jean Beulla, General Project Manager at Klab	Emmanuel NDICUNGUYE, MD For Future Focus Rwanda	-----
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