Shakira Munganyinka

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PROFESSIONAL SUMMARY

Full Stack Developer with 5 years of experience designing and delivering scalable, high-performance web and mobile applications. Proficient in React, Node.js (JavaScript & TypeScript), Python, and SQL with strong expertise in both frontend and backend architecture. Adept at transforming complex requirements into clean, efficient code that enhances user experience and business outcomes. Recognized for innovative problem-solving, collaborative teamwork, and continuous learning in fast-paced environments.

TECHNICAL SKILLS

Frontend: React.js, React Native, JavaScript (ES6+), TypeScript, HTML5, CSS3, Webpack

Backend: Node.js, Express.js, Python, Java, PHP

Databases: MongoDB, MySQL, SQL

IoT & Embedded Systems: Arduino, Sensor Integration, Embedded C

Tools & Platforms: Git, Docker, REST APIs, Agile/Scrum

PROFESSIONAL EXPERIENCE

Junior Software Engineer – MINAGRI (Ministry of Agriculture & Animal Resources), Kigali, Rwanda
 June 2024 – September 2024
 - Built and optimized REST APIs in Node.js, enabling faster access to agricultural datasets used by over 15,000+ farmers.
 - Designed a centralized data dashboard improving report generation time by 40%.
 - Collaborated with cross-functional teams to integrate real-time monitoring for livestock and crop data.

Junior Software Engineer – Nyagatare Technical Hub, Kigali, Rwanda
 January 2021 – 2022
 - Developed responsive front-end applications using React Native and TypeScript,

increasing client user engagement by 30%.
 - Implemented database solutions in SQL and MongoDB to store and process 50,000+ records efficiently.
 - Improved page load speed by 35% by optimizing Webpack configuration and image handling.
 - Awarded Best Junior Developer of the Year for exceptional project delivery.

KEY PROJECTS

AMIS – Agriculture & Livestock Management System (2024)
 Tech: React, Node.js, MongoDB, REST APIs
 - Designed a farmer-centric web platform to simplify agricultural service access, resulting in a 25% increase in digital adoption.

Weather Station IoT Project (2022 – 2023)
 Tech: Python, PHP, MySQL, Arduino
 - Developed an IoT device to monitor temperature and humidity with real-time data logging.

Bulb Controller IoT Project (2021 – 2022)
 Tech: Python (Backend), PHP (Frontend)
 - Automated lighting control based on ambient light levels, reducing energy consumption.

EDUCATION

BSc (In Progress) – [Software Engineering]

African Leadership University – Kigali, Rwanda | Expected Graduation: [2028]

Advanced Level High School Diploma – Software Programming & Embedded Systems
 Rwanda Coding Academy | First Class Honors (2020 – 2023)

AWARDS & RECOGNITION

Best Junior Developer of the Year – Nyagatare Technical Hub (2022)