Moyosore Weke, Software Engineer

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EDUCATION

The African Leadership University — Kigali, Rwanda

Bachelor of Science in Computer Science | GPA: 4.49 — *Expected Graduation – Jun 2024*

Relevant Coursework: Data Structures & Algorithms, Database Systems, Cloud Computing, Software Engineering, Discrete Mathematics.

TECHNICAL SKILLS

Languages: Javascript, Python, Java, SQL, HTML/CSS,
Frameworks/Tools: React, Redux, Node.js, Jest, MongoDB, AWS, MySQL, Git, Material-UI, Prime React, Postman.

EXPERIENCE

Web Developer Intern, Technoserve — May 2023 – Aug 2023
Kigali, Rwanda

- Engineered a robust data-intensive web application in **React**, implementing data caching techniques to enhance data retrieval efficiency and accessibility for farmers in remote areas.
- Applied **performance optimization techniques**, including code splitting and lazy loading, resulting in a **20%** decrease in initial loading times and improved web application responsiveness.
- Developed interactive data visualization interfaces using React.js and Javascript, empowering users to make informed decisions based on comprehensive and easily interpretable agricultural data analytics.

Frontend Engineering Intern, ZOF Africa — Jun 2023 – Aug 2023
Remote

- Refactored React components, **reducing reported bugs by 40%** and enhancing developer efficiency, employing Jest for comprehensive testing.
- Built a **user-centered Frontend** using React, resulting in a 30% increase in user engagement, implementing responsive design and streamlined performance with **Webpack and Babel**.
- Aligned MVP strategy with user preferences, **driving a 25%** increase in user satisfaction and adoption, leveraging Design Thinking and Agile methodologies for customer insights analysis.

PROJECTS

⌂ Agrowise AI | *Python, Jupyter Notebook, Streamlit, GitHub, Scikit-learn* — Feb 2023 – Apr 2023
- Developed a **98% accurate crop recommendation system** in Python using ensemble modeling classification algorithms, empowering farmers with data-driven cultivation decisions.
- Implemented deep learning techniques for precise plant disease detection, enabling timely interventions to safeguard crop yield and quality.
- Utilized **scalable cloud computing frameworks** for efficient processing of large-scale agricultural data, providing real-time insights for proactive farming management.

⌂ Student Registration System | *Java, Maven, MySQL, JUnit* — Sept 2022 – Nov 2022
- Designed and implemented a scalable Student Registration System in **Java**, facilitating seamless student enrollment and management for the school's administrative staff.
- **Optimised database performance** through indexing and query optimization, ensuring efficient handling of extensive student data and improved system responsiveness.
- Ensured data security and integrity by implementing **encryption algorithms and Role based access control** mechanisms.

LEADERSHIP EXPERIENCE

Google Developers Student Clubs Co-Lead | *ALU* — Sept 2021 – Jan 2023
- Spearheaded a team of **5** tech enthusiasts, organizing **12** workshops and **3** large-scale events, resulting in a **40%** increase in student participation and fostering a vibrant tech community.

Intro to Computer Science Facilitator | *ReDI School of Digital Integration* — Sept 2022 – Dec 2022
- Delivered engaging and informative lectures on various **Python** concept to **20+** high school students boosting active engagement and retention by **30%** through interactive Python Code demos.