JUSTUS WAMSWA CHEMIRMIR

A passionate and innovative Software Engineer who thrives in dynamic environments, has proven to work on difficult tasks and deliver quality solutions.

CONTACT DETAILS

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EDUCATION

BSc(Hons), Computing - African Leadership College (ALC) in partnership with Glasgow Caledonian University (GCU)

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, SQL, HTML, CSS.
Frontend: React, Tailwind CSS, MaterialUI, Zustand, Next.js., Webpack
Backend: Node.js, Express, Flask, SQLAlchemy, Django, Nginx, Docker, AWS, DigitalOcean, RESTful APIs, GraphQL.
Databases: MongoDB, MySQL, PostgreSQL
Environments: Windows, Linux, Mac
CMS: Strapi
Tools: Git, GitLab, GitHub, Slack, Jira, Trello

SOFT SKILLS

Attention to detail, problem solving, time management, teamwork, integrity, effective communication.

INTERESTS

Artificial Intelligence, Cloud, Secure Systems Development, Innovation, Social Impact, Sustainability.

LANGUAGES

English- Fluent
Swahili - Native
French- Beginner

WORK EXPERIENCE

Software Engineer/Research Assistant, Hydrus Labs: April 2023- Present
- Developed a crowdsourcing platform to help collect 2 million words to be used to model an NLP for Mauritian Creole.
- Automated the ETL pipeline which significantly improved data collection and pre-processing: data cleaning reduced from 1 month to 3- 4 days, and words collected per month averaged 250,000 from 50,000.
- Built an admin dashboard to provide real-time insights.
- Implemented a micro-frontends architecture to enable text-tagging of collected data which would be used for model training. .
- Integrated the NLP model into the core system to increase the speed of data collection for future model training.
- Deployed and updated the system on the cloud for access through the internet.

Software Developer, Global Green Visa: June 2022- August 2022
- Designed and developed the platform's UI to improve the experience of visitors discovering tourist sites across Rwanda.
- Integrated a payment gateway for secure contributions towards wildlife conservation and climate action.

Relationship Officer, Equity Bank Limited: January 2018– August 2018
- Pushed for reinstatement of our branch's ticketing system, which helped reduce complaints of favoritism and cutting lines in the banking hall.
- Promoted the bank's products in the field as a junior member of the marketing team. This resulted in over 100 new bank accounts.
- Represented the branch in the culture series as a choir member so as to sensitize other employees about the values and purpose of the company. This improved the employees' attitude toward serving customers.

EXTRACURRICULAR/LEADERSHIP EXPERIENCE

Software Engineer/Co-Founder, KUR: January 2024- Present
Creating a platform that supports local languages to enable a joyous transition to parenthood for first-time parents in Africa. Finalists of the Stanford Longevity Design Challenge 2024.

First prize, Huawei: January 2023
Led in the Huawei ICT Competition in Mauritius National Finals in the cloud track which comprised cloud services, big data, artificial intelligence, and storage.