JULIUS OKWE

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Calabar

ABOUT

I'm a curious problem-solver bridging the worlds of science and technology. With a foundational background in Biochemistry and formal training from the ALX Africa Software Engineering program, I bring a unique analytical perspective to software development. Currently contributing to a South African startup revolutionizing waste management, I thrive at the intersection of backend systems and real-world impact. My passion lies in building scalable solutions while continuously expanding my expertise into fullstack development.

WORK EXPERIENCE

Software Engineer at Wastedump, Johannesburg, South Africa

2024 - present

• Created and maintained back-end API services using NestJS.

• Tasked with implementing Yoco payment gateway

• Tasked with integrating email services API for system-wide transactional email feature

Python with Raspberry Pi Educator at National Centre for Artificial Intelligence & Robotics

2024 - 2024

• Guided students in Python programming by building interesting projexts with Raspberry Pi.

• Provided tailored feedback to enhance coding comprehension and performance.

Inventory and Weighbridge Manager at Releaf Africa, Cross River, Nigeria.

2021 - 2023

• Managed inventory systems, optimizing material workflows and dispatch accuracy.

• Led weighbridge operations, ensuring detailed tracking of raw material receipts.

• Operational Oversight: Manage daily logistics operations, including transportation planning, route optimization, and timely delivery of goods.

• Weighbridge Management: Supervise weighbridge activities, ensuring precise vehicle weighing, accurate documentation, and compliance with legal standards.

• Regulatory Compliance: Safety, and environmental regulations for logistics and weighing processes.

• Record-Keeping: Maintain detailed records of shipments, weights, and transactions for audits and reporting.

PROJECTS

Cryptocurrency Portfolio Tracker

A web application to tracker cryptocurrency portfolios. It uses crypto APIs like CoinGecko to fetch real-time updates in the crypto space. Built with NestJS, React, Chart.js, PostgreSQL and Prisma ORM

• It's super fast for getting updates and monitoring how your portfolios are performing.

A Text Editor Written in C

• Zero external dependencies.

A Blog Website Written in Python/Flask

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• It's super fast for getting updates and monitoring how your portfolios are performing.

REFERENCES

Mr. Zakhele Shigonwe
Founder/CEO at Wance Pty

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Benjamin
Lead Engineer at Wance Pty

benjamin@wastedump.co.za

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EDUCATION

University of Calabar (edu.url)
Honour: Bachelor of Science in Biochemistry

Location: Calabar, Cross River State, Nigeria.

Graduation Date: 2016

ALX Africa (edu.url)
Honour: Certification in Software Engineering Programme

Location: Nairobi, Kenya

Graduation Date: 2025

LANGUAGES

English languages
Native

VOLUNTEER EXPERIENCE

Medical Records Officer at First Referral Hospital, Mutum Biyu.

2018 - 2020

Helped with medical records and information management for over 10,000 in and out patients.

Logistics Manager at Nissis Vessels and Raphas Hands Foundations

2018 - 2018

Managed logistics and medical supplies at a free medical outreach to a Refugees camp for displaced Cameroonians in Cross River State.