

(resume.pdf)

# JULIUS OKWE

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07047501126

Calabar

## ABOUT

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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

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Software Engineer at [Wastedump, Johannesburg, South Africa](https://wastedump.com) (https://wastedump.com)

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](https://ncair.nitda.gov.ng/) (https://ncair.nitda.gov.ng/)

2024 - 2024

- Guided students in Python programming by building interesting projects with Raspberry Pi.
- Provided tailored feedback to enhance coding comprehension and performance.

Inventory and Weighbridge Manager at [Releaf Africa, Cross River, Nigeria](https://www.wereleaf.earth/). (https://www.wereleaf.earth/)

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

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## [Cryptocurrency Portfolio Tracker](https://coming-soon.com) (https://coming-soon.com)

A web application to track 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](https://coming-soon.com) (https://coming-soon.com)

- Zero external dependencies.

## [A Blog Website Written in Python/Flask](https://coming-soon.com) (https://coming-soon.com)

A web application to track 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.

# REFERENCES

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**Mr. Zakhele Shigonwe**

*Founder/CEO at Wance Pty*

[zakhele@wastedump.co.za](mailto:zakhele@wastedump.co.za) (mailto:zakhele@wastedump.co.za)

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**Benjamin**

*Lead Engineer at Wance Pty*

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## EDUCATION

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[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

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English languages

*Native*

## VOLUNTEER EXPERIENCE

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Medical Records Officer at [First Referral Hospital, Mutum Biyu](#). (<https://thehospitalbook.com/first-referral-hospital/>)

*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](#) (<https://nissi.foundation>)

*2018 - 2018*

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