

Sicelumusa Gabuza
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06 May 2024 to 31 May 2024: Backend Developer, ALX Africa, Remote – Developed a management system for a company specializing in the packaging and distribution of organic vegetables grown by grassroots farmers in townships. Application link: <https://farm-link.gabuza.tech>

Responsible for setting up the Node.js and express server, designing the database schema in MongoDB with Mongoose, implementing authentication with JWT, and creating API endpoints.

- Contributed 65% of the backend code.
- Created both the backend and frontend (React) of the automatic ordering feature.

26 Jan 2024 to 16 Feb 2024: Full Stack Developer, ALX Africa, Remote – Developed a platform to enhance accountability in local government by allowing citizens to evaluate and rate elected officials based on service delivery. Application link: <https://crep.gabuza.tech>

Implemented the backend using Django and Django Rest Framework, including database management with PostgreSQL. Built the user interface with React, ensuring a seamless user experience. Integrated JWT tokens for secure user authentication and authorization. Managed deployment on Railway (backend) and Netlify (frontend).

- Pitched the idea and obtained an approval to implement an **MVP**.
- Executed the project tasks as per the Trello board and presented the platform on time.

May 2018 to Jan 2023: Farm Manager, HCMatter, Ladysmith, KZN – Managed and trained field operators. Liaised with input suppliers, extension officer and rural development officials. Transported inputs and produce on a timely manner. Oversaw farm administration.

- Obtained a total of R28,000 PESI grant from DALRRD for farm infrastructure.
- Purchased a R75,000 1-ton pick-up bakkie.
- Secured a market for leafy vegetables at the local Boxer, Spar and OK.
- Recommended by local Spar for one time deals due to product quality and timely deliveries.

April 2016 to April 2018: Educator, Mqedandaba High School, Bergville, KZN – Substituted as a Grade 12 Physical Sciences teacher for 3 months, with a contract extension to teach Mathematics in Grades 8 and 10. Contributed to the compilation of progress reports. Attended discussions and moderation sessions on marking memorandums. Participated in students career exhibition tours.

- First teacher to physically conduct chemistry experiments and invited by other neighboring schools.
- Improved grade 10 mathematics pass rate and had my contract extended from 6 months to over 2 years.

Jan 2013 to April 2015: Process Controller, Rand Refinery, Germiston – Liaised with equipment suppliers during installations. Established and optimized operational parameter programs on PLCs. Designed and compiled standard operating procedures (SOPs). Participated in HAZOP studies. Compiled weekly progress reports. Trained production personnel on the new production line.

- Selected to supervise a shift of 20 production personnel for the first major order of the production line.
- Developed an autonomous maintenance program for machine operators.
- Managed skills transfer program during handover.

Certificate in Software Engineering, ALX Africa, 2024

B-Tech in Extraction Metallurgy, University of Johannesburg, 2012