

# Aly Mohamed Mtsumi

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**Medium:** <https://medium.com/@mtsumijr>

**Portfolio:** <https://www.aly-mtsumi.tech>

## Profile

A software engineering graduate from ALX Africa, driven by a passion for developing sustainable and innovative technology solutions. My experience encompasses diverse projects, including independent work and collaborative efforts, showcased in my portfolio and GitHub. Throughout my journey, I have actively pursued continuous learning and embraced new challenges to expand my knowledge and skills. I am seeking software engineering role where I can leverage my expertise to create meaningful impact, particularly in improving people's livelihoods through technology.

## Education

- ALX Africa (March 2023 – June 2024) – Data Science
- Holberton School / ALX AFRICA (2022 - 2023) – Software Engineering
- Power Learn Project (June - September 2022) – Python Programming
- Kenyatta University (2013 - 2019) - Bachelor of Environmental Studies (Resource conservation)
- Khamis High school (2009 - 2012)- KCSE (Kenya Certificate Of Secondary Education) Mean Grade B plain
- Mwamba Academy(1998 - 2008)- KCPE 353/500 marks

## **Work Experience**

### **Elloe AI (May 2023 – Current)**

Intern - Back-End Developer and Database (Django/PostgreSql)

1. Working with the development team to design, develop, and implement back-end systems using Django and PostgreSQL. Working on new features, fixing bugs, and improving performance.
2. Working with data analysts and other stakeholders to understand the company's data needs, designing and implementing data models, and developing data-driven solutions.
3. Working with the DevOps team to deploy and maintain back-end systems. Working with infrastructure engineers to set up and configure servers, deploying code to production, and monitoring systems for performance and errors.
4. Working on multiple projects simultaneously, communicating effectively with stakeholders, and resolving issues as they arise.

### **IEBC (August 2022)**

Presiding Officer

1. Supervision of electoral station during the 2023 general elections.
2. Ensuring successful delivery of votes and other election materials to the tallying center.
3. Presenting the casted votes to senior election officers.

### **World Food Programme**

Enumerator for the Covid Cash Relief Programme from May 2020 – May 2021

1. Conducting market surveys in informal settlements of Mombasa.
2. Liaising with county officials to register beneficiaries for the financial aid program by WFP.
3. Participated in the verification exercise which involved interviews with beneficiaries to understand the impact of Covid 19 to their livelihoods.
4. Participated in monitoring and evaluation of the project.

### **Chandarana Supermarket Limited Company**

Product Manager from December 2018 – May 2020

Tasks included:

1. Monitoring product sales in the supermarket.

2. Working close with Purchasing Manager to ensure effective stocking in the supermarket
3. Ensuring effective customer support on the usage of products and engagement to their satisfaction.
4. Facilitate the documentation of Goods Receipt Note on different products based on condition and status together with receiving clerks.

#### **Independent Electoral and Boundaries Commission.**

Deputy Presiding Officer from November 2017 - March 2018 Tasks included:

1. Ensuring all K.I.E.M.S devices are secure and operational.
2. Ensuring voting times are met; opening and closing of the system and voting station.
3. Ensuring all votes cast are accounted for.
4. Submitting voting accessories and results back to the regional stations.

#### **COSEKE**

Clerk from May 2018 - September 2018

Contracted by the Kenya Maritime Authority, as a clerk, our role involved scanning, sorting, and processing the organisation's documents.

#### **Attachment at Mombasa County Government.**

Attachee from May 2016 - September 2016 Duties included:

1. Supervision of basic waste collection processes, ensuring all roads are clean.
2. Liaise with institutions for environmental event preparation.
3. Conduct Illegal waste dumping Surveys around the county.

#### **Skills**

- AWS Cloud certified.
- Worked with Docker, Kubernetes and CloudFormation.
- Conversant with Linux systems and terminal commands.
- Competent with computer programming languages including C, Python, JavaScript.
- Comfortable with frameworks like Python Flask, Django and Express and other web dev tools including SQL and NoSQL databases, APIs, Nginx and Apache.
- Familiar with DEVOPS tools including Ansible, Fabric and Puppet.

- Team Work; I have successfully undertaken various team projects, within both academic and non-academic environments.
- Communication: Able to speak and write clearly and convincingly, fully fluent both orally and written in Kiswahili and English.
- Qualified life Guard

### **Referees:**

Tom Hunja – Software Developer, WorkFleek Technologies +254 720 935 434

Hamisi Mwaguya – Board Director, Kenya Maritime Authority +254722229550

Denis Radina – Auditor at Office of the Auditor General 0700929479