

Joseph Nganga Nungari

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## SUMMARY

I am an experienced software developer with a strong focus on improving the health sector. With over three years of experience, I have developed expertise in designing and maintaining software solutions for various industries. I have worked on hospital systems and medical devices to enhance patient care and streamline clinical workflows. My ability to collaborate with cross-functional teams and communicate effectively allows me to deliver high-quality software solutions that meet the needs of clinicians, administrators, and IT professionals.

In addition to my professional work, I am passionate about training the younger generation in software development. By sharing my knowledge and skills, I aim to mentor aspiring developers and equip them with the necessary tools to succeed in the industry. Through this mentorship, I hope to contribute to the growth of software development in the health sector while empowering the next generation to make a positive impact.

## Expertise in:

- Agile software development methodologies
- Test-driven development (TDD) and unit testing
- Object-oriented programming (OOP)
- CRM systems: Airtable + Zapier integration, Jotform + Airtable + Zapier
- Training my skill set

## Key achievements:

- Implemented a screening system for patients where 3 positive cases for TB were found increasing the accuracy of diagnoses by 40%.
- Created a seamless integration between hospital information systems and lab Technicians from other facilities resulting in improved patient care and decreased downtime.
- Trained my first programming club in schools [www.codingclubskenyakn.org/](http://www.codingclubskenyakn.org/)

## **WORKING EXPERIENCE**

### **Kinoo Dispensary (volunteer position)**

September 2022-To Date (part-time engagement)

Duties and Responsibility

- TB screening
- Data collection
- Health sensitization
- Contact tracing
- Sample Collection
- Records keeping

### **Arrahmah Academy**

Coding Club Instructor

Nov 2021 - To Date ( part-time engagement)

Duties and Responsibilities:

- Teaching Students on skills
- Monitoring the club
- Assessment of students

### **Junior Airtable Developer**

Cofruition Denmark

Dec 2020 - Nov 2021( Online engagement )

Duties and Responsibilities:

- Updating Airtable Records
- Finding solutions to Customer's needs
- Creating CRM systems for Company needs

### **Sales Manager**

E-eric

Jan 2018 - Dec 2019( part-time engagement)

Duties and Responsibilities:

- Handle cash and card transactions
- Managing sales by developing a business plan that covers sales, revenue, and expense controls
- Meeting planned sales goals

- Understand our ideal customers and how they relate to products
- Sell mechanical products that call for after-sale services such as installation repairs and maintenance

## **EDUCATION BACKGROUND**

### **Modcom Institute**

Certificate: Data Science - Machine Learning & Python Training

2020 - 2021

- Pandas, built on top of NumPy, adds data frames that offer critical data analysis functionality and features
- Visualizations to present results
- Basics of machine learning and how to use sci-kit learn - a powerful library for machine learning. Using the Natural Language Processing Toolkit (NLTK) library
- Working with data from databases

### **Moringa School**

Certificate: Full Stack Development Course

2020

- HTML, CSS, and Git
- JavaScript Fundamentals
- JavaScript for Web and Front-End Development
- Object-Oriented Programming and Git Collaboration

### **ACWiCT**

Mar 2017 -Dec 2017

Cisco Networking Academy® Introduction to IoT course

Cisco Networking Academy ® Introduction to Cybersecurity course

## **LICENSES AND CERTIFICATIONS**

IT Essentials - Cisco

ID: 46456045

### **RUNGIRI HIGH SCHOOL**

Feb 2013 - Dec 2016

Certificate of Secondary education

## SKILLS

- Full-stack web development skills:  
Proficient with frameworks; Django, Flask, Angular & React  
Proficient with databases;  
PostgreSQL, MySQL, SQL, NoSQL, MongoDB  
Proficient in API
- Leadership skills:  
Primary school Head boy,  
Secondary school captain,  
Moringa school class Rep,  
Church youth leader,  
Etrix manager,
- Other skills:  
  
Basic hardware & software maintenance, machine learning, data visualization, data analysis, forecasting networking, and cybersecurity  
  
Basic First Aid, patient education, familiarity with the triage process, can perform blood pressure checks  
  
Problem-solving, communication, research, stress management, teamwork, project management, marketing, and writing

## HOBBIES AND INTERESTS

- Meeting new people and hearing new perspectives
- Conversing about emerging new tech
- Creating software products
- Watching and playing football

## REFEREES

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