OMONDI JOSEPH OKOTH

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CAREER PROFILE

Self-taught Full-Stack Developer with academic background in Industrial Chemistry with IT and hands-on experience building applications using Python, Django Rest Framework, React, TypeScript and PostgresSQL. Experienced in developing REST APIs, integrating frontend applications with backend services, implementing authentication and working with relational databases. Looking for a chance to contribute to a software development team while growing as an engineer.

PERSONAL ATTRIBUTES

Result oriented and flexible, self-motivated, creative and innovative, focused and outgoing; able to address challenges and problems and in readiness for new skills.

SKILLS AND COMPETENCIES

- Python
- Django
- JavaScript
- React
- SQL
- PostgreSQL
- Git
- FastAPI

PROJECTS AND PRACTICAL EXPERIENCE

KePhone Listing – Full-Stack Marketplace

- Developed a web scraper using AsyncIO with a backend API and frontend interface

- Worked on REST API integration, authentication, listing data, image handling and pagination.
- Skills used: Django REST Framework, React and SQL

Learnio-Interactive Learning Platform

- Developed an online Linux learning platform, organised into modules and chapters and labs
- Worked on API integration, frontend data fetching and persistent query state.
- Skills used: Django REST Framework, React, Docker

EDUCATIONAL BACKGROUND

- Bachelor of Science (Industrial Chemistry with IT)- Maseno University, 2013-2017.
- Kenya Certificate of Secondary Education -Lenana School, 2009-2012.
- Kenya Certificate of Primary Education-Arina Primary School -2008.

WORK EXPERIENCE AND ACHIEVEMENTS

Laboratory Analyst- Kenya Plant Health Inspectorate Service, (5th April 2021 to March 2026)

Roles

- Laboratory sample reception, recording and processing; sorting, grinding, drying labelling/coding
- Laboratory sample preparation; weighing, extraction, packing in readiness for chemical and instrumental analysis
- Laboratory sample analysis; Pesticide residue analysis, Mycotoxin analysis, Fertiliser analysis, Animal feed analysis, Water analysis and Soil analysis according to SOPs using
    1. HPLC
    2. GC-MS/MS-- & LC-MS/MS
    3. UV-Vis Spectroscopy
    4. Kjeldahl Method
    5. Atomic Absorption Spectroscopy
    6. ICPMS
- Preparation of Laboratory Worksheets
- Recording experimental results and forwarding them to the Senior Analyst in charge

Achievements

- Learnt safe laboratory practices, chemical handling and disposal

- Learnt chemical analysis and problem-solving techniques
- Learnt technical scientific record keeping
- Learnt ethical conduct and laboratory practices

Mega Paper & Boards Ltd (Feb-April 2019)

Roles

Paper rewinder helper

Industrial Intern, Kibos Sugar & Allied Companies Ltd (May-Juy2016)

Roles

- Tested samples and prepared findings' report.
- Prepared laboratory for experiments and other research investigations
- Conducted desk research and analysed experimental results.
- Undertook field investigations and conducted content analysis/research. Achievements
- Improved laboratory, quality assurance and research skills ability and provided technical support in analysis and operational efficiency.

OTHER EXPERIENCE

HVAC Validation Personnel - Nexton Limited (April 2024 to date)

Roles

- Measurement of room parameters such as air velocity, particle count, temperature, pressure differential and humidity in critical areas of pharmaceutical plants
- Recording of the above data for final analysis and review
- Advising accordingly on corrective measures to be taken in case of deviations from guideline recommendations Achievements
- Learnt about GMP guidelines for pharmaceutical companies
- Learnt about APQR guidelines in the pharmaceutical industry such as ICH Q7, ICH Q9, ICH Q10, FDA Guidance for industry and EMA Guidelines on Annual Assessment of Products.

INTERESTS AND REFERENCES

Interests

- Reading scientific literature and networking
- HVAC validation and balancing
- Programming: Python Web Scraping, Web Development, Machine Learning and AI

References

1. Juliet Mulei

   Senior Laboratory Analyst

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2. Teresia Kimani PSC Supervisor,

   Kenya Plant Health Inspectorate Service (KEPHIS)

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3. John Oyugi

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