

FREDRICK ONYANGO

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Operations and Software Developer

Results-driven and multi-skilled professional with a proven track record in operations management within a port environment. Possesses comprehensive expertise in overseeing and optimizing port operations, ensuring efficiency and compliance with industry standards. Adept at process automation, and system enhancements, bringing a unique blend of operational and technical skills to drive success in diverse settings.

EMPLOYMENT HISTORY

codeKenya · CodeBase Maintainer

Feb 2024 - Current

Kenya Ports Authority ICDN · Operations Officer

Aug 2023 - Nov 2023

- Engineered a comprehensive operations report by leveraging Container in Yard Operation System (CIYOS), resulting in a 25% increase in operational efficiency and a 15% boost in overall productivity.
- Managed over 500 diverse tasks monthly, related to Special Service Requests (SSR), pick-up orders, vessel changes, auctioned and loose cargo, and customer care, ensuring streamlined operations.
- Enhanced export efficiency by creating detailed loading lists, resulting in a 20% reduction in loading errors and a 10% decrease in storage charges; managed complex transport logistics and accurately calculated storage fees using Computer Automated Terminal Operating System (CATOS) and CIYOS

Parapet Cleaning Services · Pest Control Technician

Aug 2019 - May 2023

- Enhanced inspection efficiency by 45%, conducting over 100 detailed interior and exterior inspections to accurately identify and locate dangerous pests, significantly improving property safety.
- Elevated client guidance quality, advising over 50 clients with tailored chemical and natural pest control solutions, resulting in an 85% increase in customer satisfaction and follow-up service engagement.
- Streamlined service estimation processes, providing over 20 precise treatment quotes, which led to a 5% growth in client acquisition for one-time and continual maintenance services.

HIGHER EDUCATION

Diploma in Computerized
Customs Clearing and
Forwarding

Maritime Management
(ICM)

Nairobi Aviation College

2022 - 2023

INDUSTRY EDUCATION

GitHub · Digital Public Goods
(DGP) Community Manager ·
Ongoing

ALX · Professional
Foundations · Ongoing

ALX Ventures · Founder
Academy · March - July 2024

ALX · Backend Specialization ·
2022 - 2023

Univaciti Limited · Product
Designer · 2022 - 2023

TECHNICAL SKILLS

PROJECTS

Software Engineer • ALX • May 2022 - Jul 2023

Specialization Project • Qquiz

A collaborative development of a quiz-making and sharing web application that enables users to craft custom quizzes, challenge friends, and track scores.

- Achievements: Optimized database queries, reduced quiz load times by 50%, enhancing user engagement.
- Challenge: Overcame the complexity of asynchronous data handling, achieving a 40% increase in update efficiency, resulting in smooth, real-time quiz result updates.
- Innovation: Implemented a custom scoring algorithm that adapts to quiz difficulty, providing a fair challenge to all users.
- Technologies: Python, React, JavaScript, SQLAlchemy, MySQL, Flask

Full-Stack Foundation • AirBnB Clone (HBnB)

Participated in a collaborative project to build a simplified version of the Airbnb website, focusing on core web development skills.

- Achievements: Collaborated in a team of two to deliver the project 2 weeks ahead of schedule, demonstrating efficient project management.
- Challenge: Addressed cross-browser compatibility issues, ensuring a consistent user experience across all platforms.
- Innovation: Developed a feature-rich property search interface with advanced filtering options
- Technologies: Python, HTML/CSS, jQuery, JSON, SQLAlchemy, MySQL

Programming: Python,
HTML/CSS, jQuery, JSON,
MySQL, SQLAlchemy

Maritime Technology:
KWATOS, CATOS, ICMS and
CIYOS

Design: Figma

AWARDS AND CERTIFICATIONS

React Learning Program •
Andela • Oct 2023

Leadership • Aspire Institute •
Mar 2023

KRA ICMS System • Dockport
Trading and Courier Co. Ltd •
Sept 2022

Cyber Security • U.S Embassy
Nairobi • Jul 2021

Parapet Hospitality & Business
Institute • Parapet Cleaning
Services • Jun 2019