

STEPHEN OCHIENG ODHIAMBO, Software Developer

Stockholm, Sweden, 0734851143, steveodhiambo07@gmail.com

LINKS

[Github](#), [LinkedIn](#), [Portfolio](#)

EMPLOYMENT HISTORY

- | | | |
|---------------------|---|------------|
| Jul 2023 — Present | Software Developer Intern, Luday AB | Gothenburg |
| | <ol style="list-style-type: none">Dockerization of Application: Recognized onboarding challenges for new interns and dockerized the applications to simplify setup. This reduced onboarding time from hours to minutes, ensuring consistent development environments and enhancing productivity.Agile and Scrum Implementation: The primary goal was to enhance team productivity and ensure timely project delivery. I applied Agile principles and participated in daily Scrum meetings to improve project tracking and team communication. This approach reduced project completion times and increased team efficiency, ensuring deliverables were consistently met according to client timelines.Business Solutions Development Using Python and Flask: Developed a series of microservices for a comprehensive business management system, utilizing Python, Flask, React js, Git, and Docker. This system served as an upgrade to the client's previous solution thus significantly improving operational efficiency through automation and better data management. | |
| Nov 2019 — Sep 2020 | Software Developer, Sky World Limited | Nairobi |
| | <ol style="list-style-type: none">Email Microservice Development in Nest JS: Developed a microservice to handle organizational emails for enhanced customer communication. The purpose was to centralize email storage and management, which improved response times and customer satisfaction by improving the efficiency and reliability of communicationsJava-based API Development for Core Banking: I was involved in the designing and implementation of secure, robust Java APIs for an internal system, facilitating efficient data interchange between different services. This development supported the seamless integration with existing infrastructure, enhancing system functionality and contributing to an improvement in data processing speeds.Course Registration and Payment Portal: Led the development of a user-friendly course registration and payment system using Laravel, Redis and AWS, which linked seamlessly with Moodle. This portal improved user experience by simplifying the enrollment process and securely handling transactions, which increased enrollment rates. | |
| Jul 2019 — Aug 2020 | Network Engineer Intern, Lengo Technologies | Nairobi |
| | <ol style="list-style-type: none">Network Configuration and Maintenance: Configured Cisco IP phones and computer networks, focusing on resolving technical issues to maintain network integrity and uptime. Enhanced network reliability and user satisfaction by reducing downtime.SQL Training for Government Officials: Conducted training sessions on SQL database management, enhancing government officials' ability to perform data queries and analyses, which in turn improved their operational efficiency and decision-making processes. | |
| Mar 2018 — Nov 2018 | Software Developer Intern, HealthIT (USAID) University of Nairobi Enterprises and Services | Nairobi |
| | <ol style="list-style-type: none">Customer Requirement Analysis and Solution Development: My role involved direct interaction with clients to understand their needs, and translate these into actionable project requirements. Developed tailored software solutions that enhanced data handling and user interaction, particularly for health management systems, leading to an improvement in user satisfaction.Data Cleaning and Process Automation: Implemented scripts in Python for data cleaning and automation and React Js for visualizations. This significantly improved data quality for critical decision-making processes. This not only improved data reliability but also reduced manual data processing time.E-Learning Content Development in Moodle: Developed interactive and engaging e-learning content for medical staff, enhancing learning outcomes and user engagement. This project involved collaboration with medical experts to ensure content accuracy, resulting in improved training efficacy and user competency.Integration of DHIS2 Software Using Java: Worked on integrating the open-source DHIS2 health software into the existing company infrastructure using Java. This integration facilitated better data management and reporting capabilities, enhancing operational efficiency and data utilization within the health programs. | |

EDUCATION

Aug 2022 — Feb 2024	Masters in Computer Science, University of Gothenburg	Gothenburg
Sep 2015 — Sep 2019	Bachelors in Computer Science, University of Nairobi	Nairobi

SKILLS

Python	NodeJs
Golang	RabbitMQ
Docker	Postgres
MySQL	MongoDb
JavaScript	.Net
Linux	C#
Java	Sentry
ReactJs	Terraform
API Integration	AWS

PROJECTS

May 2024

Portfolio

This is currently a project I am working on. It involves constructing a personal portfolio website to showcase my work and skills. The goals of the project:

- Solidify my knowledge in front-end development with React and Next.js

Stack: Next.js, React, Tailwind CSS, Vercel, Sentry(Monitoring and bug reporting)

Status: Still under development

(<https://stephen-portfolio-six.vercel.app/>)

Apr 2024

Ticket IT

This is currently a project I am working on it involves constructing a helpdesk ticketing system aimed at improving issue tracking and resolution processes. The goals of the project:

- Solidify my knowledge in API development
- Practice clean architecture

Stack: Golang, Postgres, Docker

(<https://github.com/steveodhiambo/Ticketit>)

Feb 2024 — Feb 2024

Fun with channels

The idea here is to create a data pipeline from a continuous stream of third-party API data. The data will be sent through channels to perform a basic transformation function and then print the output. The goals were:

- Creating a simple concurrent data pipeline in Go
- Display an understanding of concurrency concepts
- Properly using a third-party API

Stack: Golang

(<https://github.com/steveodhiambo/Fun-with-channels>)

Jan 2020 — May 2020

AfricaMilling Payment Portal

A comprehensive student registration platform, enabling seamless course enrollment and payment processing.

Stack: Laravel(PHP), React JS, Redis (<https://portal.africanmillingschool.com/>)

Nov 2018 — Jun 2019

Blockchain: Healthcare Insurance fraud

A web application that leverages blockchain technology to curb insurance

fraud.Stack: React JS, Redux-saga, Redux, JavaScript, NodeJS, Hyperledger Composer. (-

<https://github.com/steveodhiambo/Blockchain-Health-Insurance-Fraud/tree/main>)

Oct 2018 — Feb 2019	Expert System: Thrombosis Diagnosis System An expert System that helps users identify what type of thrombosis they may be suffering from. Stack: Python(pyKnow). (https://github.com/steveodhiambo/Thrombosis-Expert-System-Knowledge-base)
May 2017 — Jun 2017	MAMA A web-based system that schedules antenatal care appointments for expectant mothers and informs them how to keep healthy during their pregnancy via text messages. Stack: Python, Flask, AfricasTalking API, HTML and CSS.

CERTIFICATES

Mar 2020 — Present	AWS Concepts, Linux Academy
Nov 2019 — Present	Internet of Things Intro, IBM
Jul 2019 — Jul 2019	Linux Foundation Certified SysAdmin Training, LFCS
Oct 2018 — Present	Blockchain Intro, IBM
Oct 2018 — Present	Build Auction Application on Blockchain, IBM

EXTRA-CURRICULAR ACTIVITIES

Jan 2017 — Jan 2017	DevFest Nairobi Volunteer, Google Developer Groups	Nairobi
---------------------	---	---------

LANGUAGES

Swedish

English