

SOFTWARE ENGINEER
ONDIEK ELIJAH OCHIENG

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EDUCATION

Murang'a University of Technology

September 2019 - November 2023

- Bachelor of Business and Information Technology

SKILLS

Languages: HTML5, CSS3, Python, JavaScript (ES6), SQL

Frameworks: Flask, FastAPI, React, Node.js, Express.js, Bootstrap5

Tools and Others: Git, GitHub, Docker, AWS, Heroku, Digital Ocean, Sanity.io, GraphCMS, Netlify, CircleCI, MySQL, and PostgreSQL databases, Linux, Rest APIs & Full-Stack development.

EXPERIENCE

Software Engineer Intern at [Itesyl](#), Thika, Kiambu, Kenya

May 2022 - Present

- As an Intern, I'm tasked with maintaining and implementing new features on the existing business API using Python Flask and the automated bots using Nodejs to ensure the smooth running of the systems.

Technical Article Writer at [TechVarsity](#), Nairobi, Kenya

January 2022 - Present

- As a technical writer, I am tasked with Coding APIs, CLI apps, and other applications utilizing Python, Flask, FastAPI, Nodejs, and Express.JS used in tutorials, writing tests utilizing Jest and Pytest, and then integrating with CircleCI for automated builds and tests. Also, documenting steps in making an application, testing, and Integrating with CircleCI.

Web Developer at [Mema Africa](#), Nairobi, Kenya

July 2021 - Present

- As a web developer, I redefined Mema Africa by elevating the existing website to a modern-looking site using HTML, CSS, and Bootstrap5 enhanced UX by improving Memaaflicas' website page load speed from 57% on mobile and 68% on the desktop to 71% on mobile, and 98% on the desktop.

Web Developer at [Wengiweb](#), Nairobi, Kenya

December 2021 – January 2022

- Built an online presence by blending design and programming elements to form a cohesive and responsive website.
- Simplified blog and event management by integrating the site with Sanity.io CMS and GraphCMS

PROJECTS

[Personal website](#) (for additional information and projects)

[Headless CMS](#) - Without necessarily implementing a backend, developers can integrate the CMS with frontend applications for blog management. It's Built with Flask with an SQLite database and integrated with a continuous integration pipeline.

[Social Media API](#) - A social media API built with FastAPI and powered by a Postgres database, integrated with GitHub actions CI/CD and automated deployments to an Ubuntu server on the digital ocean.

[Bookmarks Manager API](#) - A bookmark manager API that allows for simple bookmark management. It is built with FastAPI, powered with a Postgres database, and integrated with CircleCI for automated tests and builds with an automatic build and deployment of Docker images to DockerHub.

[Blog Website](#) - a blog website with user account actions and complete blog functionality.

[Web Scrapper](#) - A tool for parsing images and HTML elements from websites. It involves inputting a target site than providing the element tag. It has support for downloading images from sites.

[AWS Serverless Expense Tracker API](#) - A serverless AWS expense tracker API. AWS Lambda functions, API gateway, and Dynamodb are among the ingredients.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Speaker, 3rd Annual PyConKE Conference at USIU, Nairobi.

May 7, 2022

Contributed to the annual Python Kenya Conference by talking about Effective testing with Python

Beta Microsoft Learn Student Ambassador

October 2021 - Present

Collaborates with other student campus leaders globally to organize virtual and in-person events that have impacted many students globally

Author and Contributor at [FreeCodeCamp.org](#)

September 2021 - Present

I simplify and write about technical concepts such as Python, Docker, and web development to promote easy comprehension.

Author at [She Code Africa](#), Nairobi

June 2022 - Present

Writing technical articles on DevOps technologies.

Author and Contributor at [Lux Tech Academy](#)

May 2020 - Present

Involved in mentoring young enthusiasts, designing event posters, and writing an article for their dev.to blog.