

Muchiri Antony Mutwiri

Software Engineer

Nairobi, Kenya

+254748181420/0792193714

antomutwiri2001@gmail.com

[Portfolio](#) . [LinkedIn Profile](#) . [Github Profile](#)

Professional summary

Software engineer graduate with **3+ years** of experience in **web development, application development and machine learning** .

- Experience with frontend development using HTML , CSS, JS, and frameworks such as Bootstrap and React for responsive and interactive user interfaces.
- Two years experience in backend web development using frameworks such as Django and Laravel to create robust and dynamic web applications.
- Extensive knowledge in API(RestFul Api) & Database Design.
- Data analytics and machine learning knowledge, using python libraries such as Pandas, Numpy, Scipy, Scikit-learn and TensorFlow.
- Basic knowledge in network setup, installation and maintenance of network hardwares.

A highly skilled motivated **Software Engineer** seeking a position in a reputable institution, where I can use my skills and knowledge to learn new things. I have the follow-through and positive attitude that will allow me to achieve the targets. I am very committed to developing my career and expanding on my work experience.

Tech stack/Skills

- Languages: **Python, javaScript, SQL**
- Backend Frameworks: **Django, Flask, REST API**
- Frontend Frameworks: **React js**
- Databases: **MySQL,PostgreSQL**
- Android Development: **Java, Kotlin**
- Machine learning: **Pandas, Numpy, TensorFlow, Scikit-learn**
- Other :**Html, CSS, Bootstrap**

Experience

FREELANCE Software Engineer - UPWORK

June, 2023 to present

I have successfully delivered a range of software products to clients as a Freelance Developer, encompassing corporate websites, blogs, and e-commerce solutions. Some of my notable

achievements include, but are not confined to:

- Built web-based solutions from the ground up.
- Worked on freelance web development projects utilizing React and HTML to build user interfaces for web applications.
- Developed backend logic for web applications using Laravel, Node.js, Django and REST Api
- Collaborated with teams in testing api endpoints for major companies including M-Pesa Api.
- Deployment of web applications on the deployment servers.
- Create online solutions that are SEO-friendly.

Weru tea factory, Chuka - software engineer.

May 2023 - Aug 2023

Weru tea factory is one of the KTDA subsidiaries, aiming at sustainable Agriculture and Economies of scale in Agricultural production for small scale farmers across the region.

During my time here my daily tasks include but not limited to:

- Designing web based systems using various technologies such as laravel, and Django for robust backend.
- Routine network maintenance and installation of network routers, access points, switches, etc across the organization.
- Registering and assigning users roles to specific users, It included adding computers to the main domain of the organization.
- Database backup and recovery, where data was backed up on a monthly basis by the admin.
- User support- involved in various technical user support on some computer related issues.
- Maintenance of computer and server software and hardware across the organization.
- Learned about virtualization of machines using VM-ware to create virtual servers for the organization and utilizing the available server disk storage.

Chuka university, main campus - software engineer.

June 2022 - September 2022

Chuka university is one of the high rising public institutions of higher learning in kenya,

While I was here, I was involved with these daily tasks but not limited to;

- Deployment of web application on the deployment servers
- Create online solutions that are SEO-friendly.
- Maintenance of computer and network equipment within the institution.
- Configuration of switches and servers, such as Ubuntu servers for storing biometrics data.
- Database knowledge- Worked with various relational database schemas, it involved writing SQL queries to retrieve data, updating records and learnt on the significance of database backup.

- Installation and setting up the ERP softwares used within the institution among other softwares.
- Evaluating existing applications to reprogram, update and add new features.
- Software development- Collaborated with the university webmaster to implement software solutions and fix bugs to help smoothline running of the institution.
- End user support - Addressing various user feedback and implementing improvements by troubleshooting and resolving various software related issues.
- Receiving mentorship from an experienced team of programmers and network engineers.

Education

BSC SOFTWARE ENGINEERING, Kirinyaga University.

Throughout my coursework, I delved into diverse subjects covering various aspect of software engineering, including;

- Software development - Practical experience in implementation of a variety of software solutions throughout my course work, from software design to release and monitoring.
- Website development – HTML, CSS, JavaScript, Python and PHP.
- Mobile Application Development: Java and Firebase utilizing available google cloud resources such as cloud firestore and realtime database.
- Fundamentals of computer networks, understanding of various topologies, equipment, installation and maintenance.
- Database systems - MySQL, PostgreSQL
- Utilizing the available cloud infrastructures.
- Data Science and Machine Learning - I learned how to analyze data, apply machine learning algorithms, and draw insights from various datasets.

Certifications.

Python programming Bootcamp - 2023

Currently focused on completing the 2023 Udemy Python programming Bootcamp. It is a comprehensive course covering various concepts in python programming from basic to mastery.

Skills I have gained include;

- Data analytics using Pandas, Matplotlib, Scikit-Learn.
- Automation using various tools such as selenium
- Building websites using Flask and Python.
- APIs
- Git, GitHub and Version Control
- Deployment with GitHub Pages
- Backend Web Development
- Databases - SQL, PostgreSQL.

Google developers badge. Jan 2022

Took a learning path on the google developers learning platform, on the google cloud technologies primarily focusing on firebase and firebase cloud services.

Skills include;

- Firebase console knowledge.
- Firebase authentication.
- Firebase realtime database.
- Cloud firestore, a NoSQL document database.
- Firebase cloud messaging (FCM).
- Firebase in-app messaging (FIAM).

View the verified [badges here](#);

Introduction to cybersecurity. Jan 2022

Took a learning path at Cisco Skills for all to gain clarity and introductory knowledge of cybersecurity including the global implications of cyber threats on industries, and why cybersecurity is a growing profession.

Skills include;

- Cyber best practices.
- Cybersecurity introduction
- Network vulnerabilities
- Privacy and confidentiality
- Threat detection.

View the certification [here](#);

projects.

Project 1: Real Estate Website(HTML, CSS, Javascript, and Bootstrap)

Description: It is a robust web application built using **HTML, Bootstrap and Js** for the front-end and **Django** for the **robust backend back-end logic** with user-authentication, email link verification and a better recommendation for related properties. It enforces various security mechanisms enforced by Django. The project is hosted on **Codesphere** which **combines IDE and infrastructure to bring up my code for deployment from Github**. I created the project to improve my Django backend skills and learn more about form handling and validations.

Link <https://42063-3000.2.codesphere.com/app/login/>

Project 2: Portfolio Website(HTML, Tailwind CSS, AND Javascript)

Description: Crafted an impressive and interactive personal portfolio website to showcase a collection of my latest projects. Demonstrated prowess in web development by seamlessly integrating **HTML and JavaScript**, while harnessing the power of the **Tailwind CSS** for enhanced responsiveness and aesthetics. Elevated the online presence by deploying the

portfolio on **GitHub Pages** and on **Vercel**, reaching a wider audience and underscoring a commitment to sharing accomplishments with the world..

Tools and technologies **HTML, Javascript, and Tailwind CSS**.

Link: [Vercel - Portfolio](#)

Project 3: E-Commerce Shop – Raia Kenya (HTML, Bootstrap, Django, Python, JavaScript)

Description: I collaborated with two fellow members to develop an impactful e-commerce platform for Raia Kenya. The resulting website offers users the choice between home delivery and nearby pickup points in Nairobi, Kenya. We employed a strategic blend of tools, including **HTML, Bootstrap** for design, **Django Python** for robust backend logic and user authentication, and **JavaScript** for streamlined user navigation, resulting in a user-centric solution that greatly enhances the shopping experience for Raia Kenya's customers.

Link: <https://raiakenya.co.ke/>

Referees;

Saif kinyori

Web master, Chuka university.

0729456159

saifkinyori@gmail.com

Lydia Nduta,

Mfama technologies,

0743081255