

George Karumbi

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Personal Statement

A creative problem-solver currently working to master his craft as a Software Engineer. I am currently looking to work for a mission driven organization that is using various software tools to solve local problems at a global scale

Highlighted Software Applications

Djackets FullStack Application - June 2021

Code Base: <https://github.com/gkarumbi/djackets>

A Django based e-commerce web application that makes use of the Django REST Framework to serve data to a VueJs front-end

- Designed the database models
- Implemented Token Authentication using Django Rest Framework
- Made use of the Stripe API to implement a checkout option

Covid Tracker Back-end Engineering Contributor - August 2020

URL: <https://cov2track.herokuapp.com>

Cloud based web application for assisting health authorities to track new covid infections and recommend home-based or hospital based treatment

- Designed the database models
- Worked on the account authentication feature of the application

Papa George - Full Stack Engineer - May 2020

URL: <https://gkarumbi.github.io/papa-george/>

A web based application for ordering pizza.

- Designed a clean, minimalist UI using Bootstrap
- Implement a delivery component that allow users to specify their location

Technical Skills

Strong: HTML, CSS, Javascript, Python

Experienced: Angular, Flask, Django, Django REST Framework, VueJs

Security Management: SIEM(ELK), IDS(Snort), Packet Analysis(Wireshark, TCPDump)

Personal Skills

- Quick adaptive learner, I was about to go from writing my 1st HTML code to deploying a Django app in 6 months
- Creative Problem solver, implementing systems thinking as an approach to problem solving

Employment History

Software Engineer | Elewa Inc | (October 2020-Present)

- Worked with SQLAlchemy to develop a Flask ORM module for signing complex queries
- Used Ansible, Vagrant and Docker to manage application environments
- Experience agile methodologies and scrum process
- Managed, developed, and designed a dashboard control panel for customers and Administrators using Flask, HTML, CSS, JavaScript, Bootstrap, JQuery and REST API calls.
- Debugging and testing of the applications & fine tuning performance. Provided maintenance support in a production environment.
- Experience with Data migration from Sqlite3 to Postgresql.

Cybersecurity Technical Mentor In Training – | Cybertek | (March 2021 -Present)

- Gained good knowledge on TCP/IP, Security Concepts, WAN and LAN Concepts, Firewalls, Routing Protocols and security policies
- Developed the ability to analyze security event data from the network using IDS and SIEM Systems
- Able to communicate the severity of the threat and recommendations for remediation
- Performed isolated malware analysis on isolated environments
- Performed analysis on event logs to recognize signs of cyber intrusions/attacks
- Good grasp of different types of attacks

Education

Moringa School

March 2020 - September 2020

Full Stack Web Development

Moi University

August 2008 - August 2012

Bsc. Communications and Public Relations

Interests

Meditative Yoga: An amateur yogi who enjoys the calming effect of doing Yoga

Biking : Currently doing at an amatuer level looking to get into it competitively

Coming up with personal programming projects to learn new skills

References

1. Edward Karanja

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Software Engineer - Kwara

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2. Amos Guni

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Senior Talent and Employer Engagement Associate -Moringa School

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