

Joseph Kahiga

Software Developer / Data Scientist / System Admin

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PERSONAL DETAILS:

Name: Joseph Kahiga Ndegwa.
Gender: Male.
Marital Status: Single.
Languages: Fluent English, Kiswahili.
Nationality: Kenyan.

ONLINE PRESENCE:

LinkedIn: <https://www.linkedin.com/in/joseph-kahiga-ndegwa>

Github: <https://github.com/kahiga2244>

PROFILE:

I am an expert software developer with a strong passion, foundation and skills in web and software development technologies. I am also a qualified data scientist. I have over three years experience in developing software solutions.

I strongly believe that technology has immense untapped power and potential; and I aspire to offer my knowledge and skills to harness this power to drive the goals and vision of your organization.

EDUCATION BACKGROUND:

Nov 2020 - Jan 2021: MORINGA SCHOOL,

Software Development Certificate,

Relevant Courses: HTML, CSS, Javascript, Angular, Python.

Feb 2020 - Aug 2020: MORINGA SCHOOL,

Data Science Certificate,

Relevant Courses: Python, R, Statistics, SQL.

Sep 2014 - Apr 2018: KIRINYAGA UNIVERSITY,

Bsc. Mathematics and Computer Science September,

Relevant Courses: Statistics, PHP, Java, Networking, Server Administration.

WORK EXPERIENCE:

2020 (September) - 2022 (January)

Software Developer - The Jitu

<https://thejitu.com/>

- Software development using Node JS, React, Mongo DB, React-Redux and Docker
- Developing and consuming Rest APIs using Postman
- MSSQL database development.

2020 (September) - 2019 (November)

SYSTEM AND NETWORK ADMINISTRATOR - PECHANT TELEC

<https://pechanttelec.co.ke/>

- Data cleanup using the SQL language
- Visualizing and drawing data using software programs such as Tableau and SPSS.
- Generating reports and conclusions from drawn data
- Data modeling and prediction using python and R programming

2018 (May) - 2019 (October)

DATA ANALYST - ASSOCIATE CONSULTING AFRICA LIMITED

<https://associateconsultingafrica.com/>

- Data cleanup using the SQL language
- Visualizing and drawing data using software programs such as Tableau and SPSS.
- Generating reports and conclusions from drawn data
- Data modeling and prediction using python and R programming

2018 (May) - 2019 (October)

DATA ANALYST (INTERN) - ASSOCIATE CONSULTING AFRICA LIMITED

<https://associateconsultingafrica.com/>

- Organizing, extrapolating, analyzing and disseminating data across departments to be used for drawing conclusions about the success of current methods
- Presenting detailed findings and reports about the meaning of gathered data from the research conducted.

SOFTWARE PROJECTS:

MTAANII (HOOD)

<https://mtaaniii.herokuapp.com/>

This web application that allows users to be in the loop about everything happening in their neighborhood. From contact information of different handymen, authorities contacts, meeting announcements and alerts.

Developed in Python, Django Framework, Django REST API, JS, HTML, PostgreSQL, CSS.

- Sign in or register with the application to start usage.
- Set up a profile, a general location, neighborhood name.
- Find a list of different businesses in your neighborhood.
- Find Contact Information for the health department supermarkets and Police authorities near Neighborhood.
- Create Posts that will be visible to everyone in the neighborhood.
- Change Neighborhood when moving out.
- Only view details of a single neighborhood.

INSTAGRAM-CLONE

<https://igclone254.herokuapp.com/>

An Instagram like social web application developed in Python, Django Framework, Django REST API, JS, HTML, PostgreSQL, CSS.

- User authentication (Login and Register)
- Create posts and upload photos
- Follow other users
- Like and comment on other users posts and photos

AWWWARDS

<https://hackersome-blog.herokuapp.com/>

This project allows developers to post their projects for other developers and users to rate according to design, usability and content. Developed in Python, Django Framework, Django REST API, JS, HTML, PostgreSQL, CSS.

- A user can view posted projects and their details.
- A user can post a project to be rated / reviewed.
- A user can rate / review other users' projects.
- Search for projects.

- View projects overall score.
- A user can view their profile page.

KENYA POLLS

<https://kenyapolls.herokuapp.com/>

A web application deployed in heroku that allows people to vote online in 2022. Developed in Python, Django Framework, Django REST API, JS, HTML, PostgreSQL, CSS.

- Read history of politicians on Wikipedia
- Leave comments
- Vote online from the comfort your phone
- Stores the voters information in the database.

BREAKING NEWS

<https://breakingnews--101.herokuapp.com/>

This project is a Flask application that consumes the News API and displays real time articles from major media stations all over the world. Developed in Python, Flask Framework, JS, HTML, PostgreSQL, CSS.

- Browse worldwide news sources
- Select any article from any source
- Select the top news articles from various article sites
- Click on an article and read it fully from the news source

DATA ANALYSIS PROJECTS:

THE DREAM

<https://github.com/kahiga2244/The-Dream>

The dream collected, analyzed and predicted a student placement dataset with the aim of predict a student's employ-ability based on metrics such as high school grades, degree specialization, MBA specialization, work experience among other factors.

The project helps institutions of higher learning to:

- Analyze the features that determine students' employ-ability
- Model an ML algorithm that can be deployed in different institutions of higher learning

FEDHA SOLUTIONS

<https://github.com/Emmaculate2020/Fedha-Solutions-Project>

MoneyPlus. a Kenyan lending company based in Nairobi, ventured into a risk-based pricing methodology that looks at factors such as a consumer's credit score, loan amount, annual income, employment status, and tenure.

The project helps institutions of money lending companies:

- To build a model that can accurately predict the loan interest rate category (either 1, 2 or 3) that will be assigned to each loan
- To do extensive analysis using the data given for them to improve on marketing and user interactions

MARKET BASKET ANALYSIS

<https://github.com/kahiga2244/Market-Basket-Analysis>

De moules chain of supermarkets that has 81 outlets in New Hampshire, Massachusetts and Maine in the United states. We were tasked to do a market basket analysis on our client's transactional data with a goal to provide concrete prediction on products and arrangement.

Technical Skills: Data Visualization, Data cleaning, Data modelling, Data analysis.

Technical tools: Rstudio, Google notebook, Python ,SQL, R, Tableau, Microsoft publisher and tools.

COMPUTER SKILLS:

WEB DESIGN AND DEVELOPMENT:

- Web Web Design and development in HTML, xHTML, HTML5
- Web styling in CSS and CSS3.
- Strong skills in client side scripting in JavaScript, jQuery and AJAX.
- Skills and experience in the MEAN Stack (Mongo DB, Express, Angular JS and Node JS) and JS frameworks like React, React-Redux and Vue.
- Expert in server side scripting in Object Oriented PHP using the MVC framework.
- MySQL and MSSQL Database Administration.
- Apache Server management both in MS Windows and Linux.
- Experienced in Content Management Systems like WordPress and Joomla.
- Experienced in hosting, maintaining and updating several web servers.
- SEO, Google Analytics and digital marketing.
- E-commerce.
- API development. REST, SOAP, JSON, XML
- Social Media marketing.
- Docker containerization.

SERVER AND APPLICATION MANAGEMENT:

- Linux and Windows server Installation and setup.
- Linux and Windows web, file and email server Management.
- SSH
- Virtual hosts
- Logs, Activity and Audit Trails

SOFTWARE PROGRAMMING AND ENGINEERING:

- Object Oriented Programming in PHP using the MVC framework.
- Web development in Python Django.
- Strong Skills in Python, Java and R.
- Strong skills in Javascript frameworks like Angular and Vue.

DATABASE ADMINISTRATION:

- MySQL Database Administration, backups, restoration, user management, server connections and trouble shooting.
- MSSQL
- Sqlite3
- PostgreSQL

VERSION CONTROL:

- Git
- Github

OPERATING SYSTEMS:

- Linux – Comfortable at both the Graphical User Interface and the Terminal. SSH, Shell commands, etc.
- Ubuntu and Windows Server – file, web and mail server management.
- Microsoft Windows 7, 8 and 10.
- Mac

OFFICE PROGRAMS:

- Microsoft Office.
- Libre and WPS Office in Linux.

OTHERS:

- E-commerce – secure transactions, commercial websites.
- Computer ethics, copyrights, patents, Internet Computing, Internal Controls and Human Computer Interaction.
- Preventive Maintenance skills – blowing, wiping and cleaning computer systems.
- Social Media marketing.
- Computer troubleshooting and support.

HOBBIES:

Mostly, you will find me playing rugby; but I also enjoy outdoor adventures and nature walks. I also engage in religious and charitable activities. Music is also a major part of my life.

Behind a computer, I enjoy pushing my limits on the design and development of software systems, data analysis, new technologies and Linux terminal commands. I also try out new languages and computer gaming.

REFEREES:

1. Charles Maina,
IT manager at Pechant Telec,
Phone: (+254) 0723 910 182.
2. Prudence Mureithi,
Chief Analyst at Associate Consulting,
Currently at Airtel, Nigeria.
Phone: (+254) 0706 706 533
3. Chris Barsolai,
Nairobi AI, Technical Mentor at Moringa School.
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