

Eric Mwakazi

Back-end Developer

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Objective

Looking for an exciting and dynamic role where I can utilize my skills and experience to drive tangible results. Passionate about joining an organization that fosters a culture of innovation, continuous learning, and personal growth.

Personal Information

Gender : Male

Nationality : Kenyan

Date of Birth : 20.04.2002

Education

Maseno University

Bachelor of science in information technology

Oct 2020 – Continue

Canon Kituri

Secondary Education Level

Jan 2017 – Dec 2020

Experience

Sales Agent

Zuku Fiber

Jun 2020 – Sept 2023

- While at zuku I gained competitive skills and strategies in sales and marketing as area I was stationed there was a stiff competition from different ISPs but still managed to thrive and yield best performance. I gained knowledge skills in customer management,sale closing, best communication skills and little bit of networking concepts.

Software Engineering Student

ALX Africa

Jan 2023 – Continue

- Joined Alx With A Goal To Pursue A Career In Software Engineering. While In The Program I Learnt Principles Of Software Development And Strategies Acquiring Knowledge In Programming With C, JavaScript And Python, Linux Systems Configuration And Management By Configuring Linux Servers And Services Like Nginx And Firewalls, Also Acquired Sound Knowledge In Database Systems And Mysql By Configuring And Managing Users And Databases In Mysql Database, Configuring And Adding Backup To Remote Sql Servers.

Achievement

Earned Digital Skill Badge In:

- CCNA: Cybersecurity Essentials

Earned Digital Skill Badge In:

- CCNAv7: Enterprise Networking, Security And Automation

Earned Digital Skill Badge In:

- CCNAv7: Introduction To Networks
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Earned Digital Skill Badge In:

- CCNA: IT Essentials
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Earned Digital Skill Badge In:

- CCNA: Fundamentals Of IT
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Airbnb Clone Deployment

- After Successful Building And Airbnb Clone With Python Flask, JQuery, Mysql Html Css And And An API I Successfully Managed To Delopy The Website To Render.com Where I Had The Opportunity To Prepare And Build My Production Server With All The Necessary Requirements To Run My Program.
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Linux Server Configuration.

- I Build A Linux Server From Scratch And Installed All Necessary Requirements, Configuring Nginx Server Port Forwarding And Firewall Using UFW. Also Installed A Data dog Agent On The Server For Monitoring. Build A New Dashboard On Data Dog And Configured Matrices To Monitor Server Reads And Writes On Disk And Monitor Traffic Sent And Received.
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Project Detail

Airbnb Clone

- These are series Of Task I Completed At ALX Software Engineering Course Designing And Building A Simple Clone Of Airbnb With Technologies Like Flask,jquery,Python,HTML,CSS And RESTFUL APIS The Project Is On My Github
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Intelligent File Organization System On A Cloud Platform

- I Did This Project In My Second Year With 4 Of My Classmates As A Group Project. I Took The Role Of Backend Development Where We Built A System That Can Upload, Download, Sort Acording All Files In A Google Cloud Platform Especially Google Drive. We Used Html Css And JavaScript As Frontend Google Auth For Authentication And Python As Backend Framework
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Simple Shell

- This Is C Project I Did In The Foundation Phase 1 In Alx Software Engineering Course Where We Built A Shell Program With Simple Basic Features.
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Linux Server Configuration

- I Built My Own Linux Server From Scratch At Alx. Alx Provided Three Linux Servers One As The Main Server Second For Backup And Third For Load Balancing. I Built Them From Scratch By Installing All Basic Server Features And Installed NGINX On Them Configuring Firewall Rules With Using UFW Firewall And Also Added Effective Redirections. On The Load Balance I Added SSL Certificates Using The Haproxy.
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Music Recommendations System

- This Is A Web App Built With Flask,mysql And Html. It's A Basic Music Recommendation App With A Machine Learning Model That Is Recommends Songs To Users Based On Search Words Or Songs They Type In To The Syteme

- Flask App With Mysql That Allows User Apply For Current Jobs Or Inquire Information About Jobs Available. Also Has An Api For Retrieving Raw Data About Job Details

Publication

Eric Mwakazi

Dec 2023

What Happens When You Type Google.com On Your Browser

- What happens when you type <https://www.google.com> in your browser and press Enter [https://www.linkedin.com/pulse/what-happens-when-you-type-httpswwwgooglecom-your-browser-mwakazi-fuaxf?](https://www.linkedin.com/pulse/what-happens-when-you-type-httpswwwgooglecom-your-browser-mwakazi-fuaxf?utm_source=share&utm_medium=member_android&utm_campaign=share_via)
[utm_source=share&utm_medium=member_android&utm_campaign=share_via](https://www.linkedin.com/pulse/what-happens-when-you-type-httpswwwgooglecom-your-browser-mwakazi-fuaxf?utm_source=share&utm_medium=member_android&utm_campaign=share_via)

Additional Info

What I Can Do

- Below Summarises My Skills Level And Knowledge I Posses:

Operating Systems

- 1.Windows Operating Systems: Windows: Full OS installation and activation Full Microsoft Office suite installation Proficient skills working with Microsoft Office products like MS word, PowerPoint and Excel Configuring windows defender firewall and monitoring suspicious event through windows event manager and Event IDs 2.Linux/Unix: Full OS installation and upgrade Highly comfortable working with Linux environments eg ubuntu,kali linux and parrot os Configuring firewall like UFW and iptables and proxy chains Comfortable working with the terminal and CLI applications

Network Monitoring Skills

- 1.Capturing packets and analysing traffic and pcaps wire Wireshark applying filters and determining patterns and activities going on in the network and mapping out ip addresses participating in the communications in the wire.

Firewalls

- 1.Configuring firewall rules to allow or deny traffic through certain ports or services with firewalls like windows defender, Uncomplicated firewall (UFW) and IPtables.

Server Monitoring Tools

- Configuring and installing agent like datadog and new relic instances to servers, building dashboards to visualize their performance and CPU loads metrics to analyse logs with ease making monitoring of server and pin pointing errors quick making debugging more convenient

Programming Languages

- Python C Javascript Php Visual Basic Bash Powershell Html Css

Databases

- Mysql Mongo Postgres Free Tier Cloud Storage Like Planet scale And Google Cloud

Building And Configuring Networks

Additional Skills

- 1. Very Good In Automation And Task Scheduling And Staging In Linux Systems Using Bash Script Language.
 - 2. Good At Web Scraping And Data Mining With Python Tools Like Solenium And Beautiful Soup Gathering Meaningful Data And Cleaning It For Required Use.
 - 3. Analysing Network Traffic With Tools Like Wireshark And Tshark A Member Of Cyberdefenders.
 - 4. Building And Configuring Networks And Device Especially Cisco And Huawei.
 - 5. Strong Foundational Knowledge In Working And Coding RESTFUL Apis In Python.
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LinkedIn

- Eric Mwakazi: <https://www.linkedin.com/in/eric-mwakazi>
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Github

- Neivanny1: <https://github.com/Neivanny1>
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Risk Assessment

Risk Management

Version Control Systems

- Very Well Conversant With Github And Gitlab Tools Either Working With Them Through CLI or Gui
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Reference

Team Leader

- Goerge Kimbio
 - Mwananchi Group
 - 0715327734
 - mshimbakimbio@gmail.com
-

Lecture

- Dr Muhambe
 - Maseno University
 - 0720 048445
 - mhumbemhukisa@gmail.com
-

lecture

- Dr Roxxanne Hawi
 - Maseno University
 - +64 21 167 4821
-

Lecture

- Gabriel Oliko
- Maseno University
- 0710 401055

Language

English



Taita



Swahili



Interests

- Coding/programming
- Computer programming
- Gaming
- Robotics
- Drone Development
- Robotics
- Machine Learning And Airtificial Intelligence
- Web App Security
- Oswap Top 10 Vulnerabilities
- API Development And Security

Skills

Analytical problem-solving skills



Programming Skills



Communication skills (interpersonal, written, and verbal)



Agile and Scrum methodologies



Django



Flask



Mysql



Database Management



Networks Protocols And Configuration



Javascript



Python



Nginx Servers Configuration



Code Deployment On Servers



DNS And Website Domains Management



Marketing



Teamwork



Self discipline



Analytical skills



Research skills



Time management



Writing



Project management



Planning and coordination



Signature

A handwritten signature in black ink, consisting of a stylized 'A' followed by a series of loops and a final flourish.