GABRIELLA NEKESA WEKESA
SOFTWARE ENGINEER

CONTACT

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https://github.com/GNWekesa

LANGUAGES

English

SKILLS

Analytical decision making

Attention to detail

Advanced administration and supervisory skills

Microsoft Office Suite proficiency

3D and LiDAR annotation skills

Excellent Python programming

Reliable inventory management skills using hard and soft copy platforms

Live broadcasting

AV equipment setup & operation

Troubleshooting & technical Support

Audio engineering

Social media management

PROFILE

I am a highly motivated computer science professional seeking to deploy my technical skills to the suitable work department where I can utilize my technical and professional skills developed through past work experiences. I have methodical and customer-oriented approaches that allow me to generate reliable work outcomes. Systems development, deployment, and maintenance are all activities that I perform with advanced skills.

EDUCATION HISTORY

ST. PAUL'S UNIVERSITY

Diploma in Computer Science | 2020

Distinction

EAGLE COMPUTER COLLEGE

Computer Proficiency | 2019

Credit

ST. LUCIE KIRIRI GIRLS SECONDARY SCHOOL

KCSE | 2014

B+

WORK EXPERIENCE

SOFTWARE ENGINEER

Freelance

July 2023-Ongoing

- Design and build responsive, user-friendly web interfaces using HTML5, CSS3 and JavaScript (vanilla + DOM scripting)
- Develop back-end services and RESTful APIs with Node.js and Python, handling form submissions, email integration, and session management
- Architect and optimize relational databases in MySQL and SQLite, including

schema design for e-commerce and employee-supervisor systems

- Implement full-stack projects integrating front-end, back-end, and database layers
- Leverage version control (Git/GitHub) for collaborative development and continuous deployment via GitHub Pages and CI workflows
- Explore Artificial Intelligence & Machine Learning concepts—built proof-of-concept scripts for data analysis and recommendation logic using Python libraries
- Automate routine tasks and data workflows with Python scripting
- Apply UI/UX branding guidelines

LIVE BROADCAST TECHNICIAN & YOUTUBE MANAGER

Volunteer Services

July 2023-Ongoing

- Lead end-to-end live streaming sessions on YouTube and Facebook, ensuring seamless delivery to congregational and online audiences
- Configure, test, and operate AV systems—including cameras, switchers, microphones, mixers, and streaming encoders—for optimal audio-visual quality
- Provide real-time troubleshooting and technical support during broadcasts, swiftly resolving connectivity, audio dropouts, and video latency issues
- Perform audio engineering tasks such as microphone placement, gain staging, EQ, and live mixing to maintain clear, balanced sound throughout services
- Collaborate with production team to plan broadcast layouts, integrate multimedia presentations, and implement branding elements for a professional viewer experience
- Optimize videos for SEO to improve discoverability both on YouTube and across search engines
- Manage content workflows using YouTube Studio and third-party scheduling tools, ensuring on-time delivery of all uploads and premieres

INSURANCE SALESPERSON

Britam

February 2023 - July 2023

- Assessed potential clients' insurance needs and financial situations
- Promoted and sold life insurance policies
- Prepared and presented insurance quotes to clients
- Maintained accurate records of clients and policies

ADMINISTRATIVE ASSISTANT

Servicehub Global Enterprises Limited

January 2022 - July 2022

- Microsoft Office Suite operation which streamlined documentation, reporting, and administrative processes
- Managed human resource operations
- Tender administration through developing, preparing, and submitting tender documents to multiple organizations

- Administrative duties that assisted the managing director
- Stock control operations while performing inventory
- Maintained goods deployment and recording of any purchases
- Managed staff deployment to different cleaning sites
- Performed site viewing operations

3D ANNOTATION SPECIALIST

Freelance, Remotasks

July 2020-December 2020

- Worked with 3D annotation tools and LIDAR platforms to annotate and classify point cloud data ensuring 95%+ accuracy in object identification
- Developed expertise in identifying and labelling objects within 3D models
- Navigated complex LIDAR data sets which streamlined data interpretation workflows

STOCK CONTROLLER

Jolly Logistics

2016 - 2019

- Tracked shipment from China and received it in Nairobi
- Managed procurement operations
- Maintained reports for all purchases
- Handled goods using first in first out technique
- Ensured accurate tracking of supplies to reduce losses
- Oversaw inventory audits and maintained reports of purchases and pricing

ASSISTANT CLERK

Walker Kontos Advocates

2014 - 2016

- Handled administrative duties
- Microsoft Office Suite operation
- Engaged in file creation and management
- Coordinated appointments and scheduled tasks for lawyers
- Recorded data on suitable platforms and files
- Ensured deployment of files to relevant clients