

Wambugu Jim Kaba

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• Nanyuki, KE • [Personal Portfolio](#)

I am a determined, detail-oriented individual with a relentless drive for excellence, I thrive in environments that demand meticulous attention to detail. From developing innovative software solutions to troubleshooting technical issues, I approach every task with dedication and a relentless pursuit of excellence. I am poised to make a significant impact on any team or project.

KEY SKILLS

- Teamwork and leadership skills
- Problem-solving skills.
- Analytical and quantitative skills
- Adaptive learning and Networking
- Video editing.
- Google Workspace Suit
- Microsoft Office suit.
- UI/UX Design; wireframing, prototyping, user testing.
- Graphic Design with Canva, Figma, Sketch, InDesign, and Corel Draw.
- Technical proficiency with front-end and back-end: HTML, CSS, JavaScript, PHP, and MySQL.
- Responsive Design: Ability to create websites that work well across different devices.
- Version Control: Experience with Git.
- Problem-Solving: Debugging and troubleshooting skills.
- Communication: Ability to collaborate with designers, clients, and other team members.
- Programming languages: Python, C++ for Arduino.
- Microcontroller Platforms: familiarity with Arduino, Raspberry Pi, or other embedded systems.
- Sensor Technologies: Understanding of sensors (e.g., temperature, motion, humidity).
- Networking: knowledge of communication protocols (e.g., MQTT, CoAP).
- Security: Awareness of IoT security best practices.
- Data Structures and Algorithms
- Troubleshooting: Debugging and problem-solving.
- Cloud Computing: Familiarity with cloud platforms (AWS).
- Prompt Engineering: instructing large language models (LLMs) via text commands.
- System Administration and Maintenance: Configuring new ICT equipment, repairing, maintaining existing systems and server management.
- Data Analysis: Analyze and interpret data to make informed decisions.
- Project Management: Skills in planning, executing, and overseeing projects.
- Digital Marketing: Understanding SEO, social media marketing, and content creation.

CAREER HISTORY

County Government of Laikipia || Nanyuki, ke
Technical internship ICT

04/23–08/23

Situation:

At the County Government of Laikipia, I participated in managing and maintaining the official website. The website served as a crucial communication channel for disseminating accurate information about the county's services, initiatives, and events.

Task:

The task was to ensure the organization's system functionality, security, and efficiency. I collaborated with various departments to update content, troubleshoot issues, and optimize the user experience.

Action:

Conducted Website Maintenance and Security:

- Regularly updated and managed the website to meet user needs.
- Ensured the website's functionality, addressing any issues promptly.
- Controlled access rights for different users to enhance security.

Content Management:

- Created and maintained website content, adhering to brand and organization's guidelines.
- Ensured consistent formatting, icons, images, and layout across the site.
- Developed appropriate templates for content authors.

Troubleshooting and Optimization:

- Diagnosed and fixed website problems, including broken links and formatting inconsistencies.
- Collaborated with developers to implement effective solutions.
- Monitored website traffic using analytics tools for optimization.

Result:

The County Government of Laikipia's website remained up-to-date, user-friendly, and informative. Visitors accessed accurate information seamlessly, contributing to effective communication. The website's performance improved, enhancing the county's online presence.

Situation:

During my volunteer tenure at Bush Air Safaris, I discovered that the organization lacked an online presence. They didn't have a website to showcase their services, fleet, and mission.

Task:

My responsibility was to design a professional website for Bush Air Safaris. Additionally, I took on various ICT tasks to enhance the organization's operational efficiency.

Infrastructure Management:

- Installed, configured, and maintained hardware and software components, including servers, networks, and peripherals.
- Monitored system performance and promptly addressed any issues to minimize downtime.
- Security Measures: Implemented and maintained security protocols to safeguard ICT systems and data from unauthorized access, malware, and other threats.
- Managed user accounts, permissions, and access rights in compliance with security policies.
- Documentation and disaster recovery:
- Conducted regular backups and disaster recovery procedures to protect critical data and systems.
- Developed comprehensive documentation of ICT systems, configurations, procedures, and troubleshooting guides.

Action:

Technical Support:

- Provided timely technical assistance to end-users, resolving hardware and software issues.
- Developing system documentation and user manuals.
- Maintaining support systems and training of users.

Result:

Improved overall efficiency and productivity by ensuring smooth ICT operations. Enhanced user experience through prompt technical support and effective problem resolution. Strengthened Bushair Safaris' technological infrastructure, leading to better service delivery.

Innovators Club || KeMU
Project Manager

09/21–03/23

Assisting project managers:

- Collaborate with project managers to oversee administrative tasks related
- to project execution.

Project development and documentation:

- Coding, testing, implementing web applications, and assisting in developing
- project management documents, including project budgets, schedules,
- scope statements and project plans.

Problem Solving and Optimization:

- Troubleshoot website issues and implement solutions.
- Optimize loading speeds and fix any technical issues related to the website.

Achievements

Innovators Club || Meru ASK
2nd runners up

06/22

As a member of the Innovators Club at KEMU, I contributed to an innovative project that secured second place and developed a smart warehouse.

Demonstrated creativity, teamwork, and problem solving skills in a competitive environment.

Africa Public Service Day || KSG Lower Kabete
2nd runners up

06/24

Developed innovative ultrasonic smart glasses for physically impaired individuals. These glasses utilize ultrasonic sensors to provide real-time feedback on obstacles, enhancing mobility and independence.

Recognized for impactful contributions at the prestigious APSA celebration.

PREVIOUS HISTORY

County Government of Laikipia,

05/23–08/23

Technical Internship ICT

BushAir Safaris
Volunteer ICT Webmaster

02/23–05/23

Innovators Club
Project Manager

09/21–03/23

EDUCATION & QUALIFICATIONS

Kenya Methodist University
Computer Information Systems

09/20–10/23

Baricho High School
High School Certificate

02/16–10/19

INTERESTS

- Sports and physical activities.
- Engaging in robotics projects
- Leadership roles.
- Technology-related hobbies; web design and development, robotics
- Language learning.
- Volunteering & community service.
- Creative pursuits: photography and music.
- Learning.

REFERENCES

Mr. David Kaje Muriithi
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