CURRICULUM VITAE

ALEX MWANIKI NYAMBURA

Email: lekko254@gmail.com

Tel: +254701343452

Linked In

Google Developers

GitHub

PROFILE SUMMARY

I am a proficient Information Technology student at the University of Embu with a parallel focus on Software Engineering through ALX Africa. My expertise lies in C programming, where I've demonstrated advanced skills in crafting efficient and robust code. Additionally, I have mastered the art of web design using HTML and CSS, and I'm well-versed in content management systems like WordPress. My proficiency extends to Python, and I possess strong foundational computer skills, including proficiency in Microsoft tools. As an advanced Linux user, I navigate and utilise the Linux environment with ease. Combining my academic pursuits with practical skills, I am poised to contribute effectively to the ever-evolving Information Technology and Software Engineering field. I bring a solid foundation in programming, web design, and a keen understanding of Windows and Linux environments.

I have actively contributed to the programming community at the University of Embu by taking on a leadership role in Python Programming Sessions within the Code and Tech Club. This experience has allowed me to not only deepen my understanding of Python but also to share that knowledge and foster a collaborative learning environment for fellow students.

I find particular enjoyment in tackling challenging projects, and one notable achievement includes creating a simple Linux shell using the C language. This hands-on experience not only deepened my understanding of C programming but also allowed me to apply my skills in a practical and meaningful way. As part of my Software Engineering journey at ALX Africa, I have become a master in version control using Git and GitHub. This proficiency ensures collaborative and efficient development processes. Additionally, I am a keen enthusiast of writing scripts using Bash, showcasing my commitment to automating tasks and optimizing workflows.

With a strong foundation in IT and Software Engineering, my future career aspirations revolve around majoring in full-stack development and advancing in the field of software engineering. Additionally, my passion extends to cybersecurity and penetration testing, where I aspire to contribute my skills to ensure robust and secure software systems.

CAREER OBJECTIVES

➢ My career objective is to actively contribute to building a safer digital environment by implementing robust cybersecurity measures and awareness programs

➢ I aspire to be an educator and coach, guiding others in the dynamic realm of technology.

- I envision a career where I can leverage my skills to enhance the security posture of digital landscapes.
- I aspire to explore new technologies, tools, and methodologies, not only for personal growth but with the explicit goal of sharing this knowledge with others.
- I am dedicated to upholding values of honesty, trustworthiness, respect, and flexibility, ensuring a steadfast commitment to ethical conduct and adaptability in all professional interactions.

PERSONAL ATTRIBUTES

- Proficient IT student
- Programming Expertise
- Excellent communication and interpersonal skills.
- Good team player and helping others progress.
- Leadership and Collaboration
- Competent in C, C++, HTML, CSS, Python, Git, GitHub, Linux, and Bash scripting.
- Educational leadership.
- Passionate about exploring new technologies and sharing knowledge for community growth.
- Upholding honesty, trustworthiness, respect, and flexibility as core principles.

EDUCATION BACKGROUND

2023(PRESENT): Software Engineering, Full Stack Developer – ALX Africa

2023(PRESENT): University of Embu, Kenya – BSc. Information Technology

2022: Brookfield Highschool – Kenya Certificate of Secondary Education (B-)

2012-2018: Lakewood School – Kenya Certificate of Primary Education (406)

WORKING EXPERIENCE

2023(PRESENT): <u>Organizing Secretary</u> – Code and Tech Club, University Embu

<u>Duties</u>

➢ Secure venues and necessary resources for events.
➢ Organize coding competitions, hackathons, and other events.
➢ Communicate event details to participants and the wider community.
➢ Assist in recruiting new members to the coding club.
➢ Help organize orientation sessions for new members.
➢ Manage and distribute coding resources and materials.
➢ Foster collaboration with other coding clubs or tech organizations.
➢ Promote club events through various channels.
➢ Collect feedback from club members and participants.

2023(PRESENT): <u>Special Activities Coordinator</u> – Christian Union IT Ministry, University of Embu

<u>Duties</u>

➢ Organize special events and activities tailored to the interests of the IT ministry.
➢ Plan and conduct workshops or training sessions related to IT skills and technologies.
➢ Integrate spiritual and faith-based elements into IT-related activities.
➢ Create opportunities for networking and relationship-building among IT ministry members.
➢ Collect feedback from participants to assess the success of events and activities.

2023(PRESENT): Cyber Security Lead – Google Developers Students Club (GDSC), University of Embu

Duties

➢ Organize workshops and training sessions on cybersecurity topics.
➢ Plan and host Capture the Flag events or cybersecurity competitions.
➢ Develop campaigns to raise awareness about cybersecurity among students and the wider community.
➢ Invite guest speakers or organize panel discussions on current trends and challenges in cybersecurity.
➢ Share relevant information and resources with club members to ensure continuous learning.
➢ Collect feedback from participants to evaluate the effectiveness of cybersecurity initiatives.

2023: **Sales Agent** – Flawless Perfumes and Cosmetics

Duties

➢ Provide product knowledge, including details about different scents, ingredients, and brands.
➢ Actively engage with customers to understand their preferences and recommend suitable products.
➢ Monitor perfume stock levels and communicate inventory needs to management.
➢ Support in-store promotions and marketing activities to drive sales.
➢ Adhere to store policies, including return and exchange procedures.
➢ Collect customer feedback and convey it to management for continuous improvement.

SOFT SKILLS

➢ Communication
➢ Team collaboration

- ➢ Problem-solving
- ➢ Time management
- ➢ Leadership
- ➢ Creativity

IT PROFICIENCY

- ➢ Programming Languages – C, C++, Python, HTML, CSS
- ➢ Web Development – Front-End Development
- ➢ Database Management – SQLite with Python and MS Access
- ➢ Cyber Security – Networking Basics, Bash Scripting, Advanced Linux User
- ➢ Cloud Computing – Google Cloud
- ➢ Operating Systems – Linux Distros, mostly Arch-based

HOBBIES

- ➢ Socializing
- ➢ Coding
- ➢ Watching Documentaries
- ➢ Writing

PUBLICATIONS AND PROJECTS

- ➢ Partnered in creating a custom printf Function in C as part of a project in the ALX Africa SE Course.
- ➢ Partnered in creating a simple Linux shell in the C language as part of our final C project in the ALX Program.
- ➢ Published a Novel about the Cyber Space

ACHIEVEMENTS

- ➢ Academic Achievements: Awarded Best in Mocks and Best overall student in Highschool (2022)

➤ Professional Achievements: Successfully assisted in reviving the Code and Tech Club at the University of Embu.

REFEREES

1. **Hannah Wangari**
   Owner, Flawless Perfumes and Cosmetics
   +25472199032,
   wangariann460@gmail.com