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## **SUMMARY.**

I am a dedicated and passionate Fullstack Software Engineer with a background in Mechatronics Engineering, committed to leverage technology for practical real-world solutions. With a fervent drive for innovation and invention, I aim to merge hands-on expertise with strategic foresight to yield impactful results. Currently enrolled in a Fullstack software engineering course with ALX to enhance my tech comprehension and problem-solving abilities, I am eager to employ these skills in spearheading tech solutions for everyday problems. I am passionate about collaborating with professionals and platforms that believe in the transformative potential of technology aiming to pioneer the next wave of technology innovations.

## **EDUCATION.**

### **ALX - Africa:**

- Fullstack Software Engineering
- January 2023 to present

Key-Concepts: Linux, Git/Github, C & Python Programming, MySQL, Debugging, Automation Scripts, Servers, SSH, Javascript, HTML, CSS, Network Basics, Test Driven Development, Regular Expressions, Web Frameworks, APIs, and Collaborations.

Tools: Github, Linux, Vim, Vagrant, Docker, Flask.

### **Dedan Kimathi University of Science and Technology:**

- Bachelor of Science in Mechatronic Engineering
- Second Class Honours
- May 2017 to May 2022

Key-Concepts: Calculus, Motors, C & C++ programming, Mechatronic systems & PLC programming, Circuit design & programming, Fluid flow, Mechanical & Electrical lab equipment operation, Engineering drawing & design and Robotics

## **EXPERIENCE and TRAINING**

Beyond Grades :

- Circuit Design, Pcb Design, Multilayer Pcb design, circuit programming
- March 2022 - June 2022

Kenya Power and lighting Company:

- Earthing, Pole erection, SCADA, Meter Testing, stringing, transferring and repair of Conductors, earthing
- January 2020 - March 2020

Dedan Kimathi University of Technology - Workshop:

- Lathe Machining, Electrical Installation, Automobile Engineering, Arduino, Welding,

- Drilling and Woodwork
- January 2019 - March 2019

### **SKILLS and TOOLS.**

Programming skills and tools

- C, Python, Javascript, HTML, CSS, Kotlin, Git/Github, MySQL
- Linux, Flask, Docker, Django, React, VS code, Git/Github, Vim, Figma, Canva.

Web Development

- HTML, CSS, Javascript.

Engineering Design and Tools.

- KiCAD, Autodesk Inventor, Arduino, PLC, PCB design and fabrication, Solidworks, 3D printing.

Technical skills.

- Lathe Machine handling and operation, Mechanical and Electrical workshop operation and equipment, woodwork.

Other Skills.

- Microsoft Office and Google Office.

### **HOBBIES AND INTERESTS.**

- Coding
- Cooking
- Scenic Travel

### **REFERENCES**

1. Peterson Nyaga : Supervisor DeKUT: +254724625393 : [nyagapeterson@gmail.com](mailto:nyagapeterson@gmail.com)
2. Amos Mwamba: Emergency department, Kenya Power: +254720364237
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