NEHEMIAH KIBET

Mechatronics Engineer | Software Engineer

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🔗 **[GitHub](https://github.com/nesbet)** | 🔗 **[LinkedIn](https://linkedin.com/in/kibetse)** |

📄 **[Resume](https://nesbet.github.io/Resume/)** | 🔗 **[Portfolio](https://neshkibet.vercel.app)** |

PROFESSIONAL SUMMARY

Dynamic Mechatronics Engineering graduate with expertise in IoT systems, industrial automation, and full-stack development. Combines technical proficiency in PLCs, cybersecurity and digital twinning with hands-on experience in automotive engineering and software development. Proven leader with a track record of academic excellence and a passion for innovation.

TECHNICAL SKILLS

- Software Development: Full-stack web/mobile apps, IoT systems, Python, JavaScript
- Industrial Automation: PLC programming, SCADA systems, digital twinning
- Cybersecurity: Ethical hacking, vulnerability assessment (IBM-certified analyst)
- Automotive Engineering: Diagnostics, repair and servicing (Porsche-certified intern)
- Tools: Git, Siemens TIA Portal, AutoCAD, React, Node-red, Docker, Django

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PROFESSIONAL EXPERIENCE:

1. Full-Stack Developer:

DeKUT CDED Center | Feb 2023 – Apr 2023

- Developed and deployed scalable web applications for university projects, improving workflow efficiency by 30%.
- Collaborated with cross-functional teams to integrate IoT solutions for campus automation.

2. Automotive Engineering Intern:

Porsche Center Nairobi | Jan 2022 – Apr 2022

- Performed diagnostics and repairs on luxury vehicles, achieving a 95% client satisfaction rate.
- Assisted in training technicians on advanced automotive systems and troubleshooting protocols.

EDUCATION:

1. BSc in Mechatronics Engineering

Dedan Kimathi University of Technology | May 2019 – April 2024

- Second Class Honors (Upper Division)
- Thesis: "Elevator Digital Twinning with IoT Integration"

2. Software Engineering
ALX Africa | April 2023 – June 2024
- Specialized in Agile methodologies, DevOps, and cybersecurity best practices.

3. Diploma in Computer Programming
Zalego Academy | 2018 – 2019
- Introduction to computer programming (PHP, SQL)
- Graduated as Top Student (Score: 98%)
- Computer packages (MsOffice)

CERTIFICATIONS & ACHIEVEMENTS:
- IBM Certified Cybersecurity Analyst | 2024
- Top Graduate – Zalego Academy (2019)
- 1st Place – National IoT Innovation Challenge (2022)
- K.C.S.E – Mean Grade A- (Kapsabet Boys' High School - Nandi)
- K.C.P.E – Top pupil with a score of 394 (Choronok Academy - Kitale)

PROJECTS:
1. IoT-Based Smart Elevator System | 2023
- Designed a digital twin for elevator diagnostics using Siemens PLCs and Node-Red, reducing maintenance downtime by 40%.

2. Automotive Diagnostic Tool | 2022
- Built a Python-based tool for real-time vehicle performance analysis during Porsche internship.

3. Web Applications
- I have built various web apps that can be accessed from my portfolio website.

ADDITIONAL DETAILS:
- Languages: English (Fluent), Swahili (Fluent), Nandi (Fluent)
- Interests: Open-source contributions, robotics, football and Artificial Intelligence
- Volunteering: STEM workshops for underprivileged youth