

## John Leshan Kool | Software Engineer | RPA Developer

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### Professional Summary

Dedicated final-year computer science student with expertise in full-stack development, RPA automation, and systems optimization. Proficient in Python, JavaScript, and PHP with UiPath certifications. Proven ability to enhance system efficiency (40% network speed increase) and reduce downtime (30% in healthcare systems). Seeking to drive innovation in dynamic tech environments.

### Education

#### Bachelor of Science in Computer Science

Maasai Mara University, Narok, Kenya | *Expected Graduation: December 2025*

- **Relevant Coursework:** Data Structures, Algorithms, Software Engineering Principles, Object-Oriented Programming, Database Systems

### Work Experience

#### ICT Attachee

Narok County Referral Hospital, Narok, Kenya | *June 2024 – August 2024*

- Maintained hospital computer systems and network infrastructure, reducing downtime by **30%** through proactive troubleshooting.
- Deployed and optimized the Hospital Management Information System (HMIS), improving patient data management efficiency by **25%**.
- Transitioned manual patient records to secure digital systems, ensuring compliance with confidentiality protocols.
- Enhanced cybersecurity measures to protect sensitive health data from potential threats.
- Upgraded network connectivity, increasing data transfer speeds by **40%** across departments.
- Collaborated with ICT teams to deliver technical support and system administration in a healthcare setting.

### Projects

#### SwiftChat

*Tech Stack: TypeScript*

- Developed real-time chat app with 35% user engagement increase
- Implemented responsive UI/UX for 98% cross-device compatibility

## Apex News App

*Tech Stack: Java, Android Studio*

- Led 5-member team to deliver news app in 3 months
- Integrated API for real-time updates serving 1000+ users

## Plagiarism Detector Tool

*Tech Stack: Python, Scikit-learn, CustomTkinter*

- Built ML-powered GUI tool with 92% accuracy in detecting academic dishonesty
- Streamlined educator-student workflow, increasing assignment assessment rates by 25%.

## Building Block Game

*Tech Stack: HTML, CSS, JavaScript*

- Created interactive game with dynamic animations and responsive design

## **Soft Skills**

Problem-solving, Team collaboration, Project Management, Adaptability, Attention to detail, Communication

## **Technical Skills**

- **Programming Languages:** Python, JavaScript, PHP, Java, C/C++, Kotlin
- **Web Development:** HTML5, CSS3, React.js, Bootstrap, Django, Flask
- **Backend Tools:** Node.js, Express.js, MySQL
- **Tools & Platforms:** Visual Studio Code, Android Studio, Git/GitHub, Anaconda, UiPath Studio
- **Methodologies:** Agile, MVC Architecture, Object-Oriented Design

## **Certifications**

- **UiPath Studio Certifications:**
  - User Interface (UI) Automation with Modern Design | *March 2025*
  - Explore Automation Development | *March 2025*
  - Excel Automation with the Modern Experience | *March 2025*
  - Variables, Constants, and Arguments | *March 2025*
  - Control Flow | *March 2025*
  - Build Your First Automation Process | *March 2025*
- **Additional Certifications:**

- Artificial Intelligence | FutureLearn | [Credential](#)
- User Experience (UX) Design | FutureLearn | [Credential](#)

### **Achievements & Leadership**

- Led Web Development Team at Google Developer Student Clubs, establishing foundation frameworks for future student developers and collaboratively developing the group's official website to enhance digital presence.
- Volunteer mentor for 50+ aspiring programmers in Narok community, providing technical guidance and career development support.

### **Languages**

English (Fluent) | Swahili (Fluent)

**Referees available upon request**