



Ryan Wanjie.

Software Engineer.

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Educational Background:

- Murang'a High School – 2016 to 2019
- BSc Computer Science (Machakos University) – 2020 to 2024

Awards and Honours

- Awarded funding by Machakos University worth ksh.100,000 for my project dubbed the G2F-Connect which helps farmers easily access farming services and widen their market.
- Received a certificate from Google and DevTown for completing a course for Frontend web development in React.JS

- Received a certificate from Google and DevTown for completing a course for Backend web development in Node.JS
- **Watugot**, an award-winning e-commerce platform that allows users to buy and sell goods using the Pi cryptocurrency, instead of traditional currencies like cash. It won the Pi Hackathon, gaining recognition within the Pi community. Upon launching version 1 of the application, 1300 users had registered within the first week of the launch.

<https://admin-dev.watugot.org>

Work Experience and Projects

1. **Worked at the International Centre for Reproductive Health Kenya (ICRHK) – 4 months**

Problem - Data collected from participants across Kenya required thorough cleaning and analysis to derive meaningful insights.

Solution - Performed data cleaning and analysis of the collected data, visualized the data, and collaborated with KNBS for dissemination.

Project Scope

- Conducted data cleaning and analysis using STATA in conjunction with the Performance for Monitory Action.
- Built digital forms for data collection using Open Data Kit (ODK).
- Visualized data and collaborated with KNBS for dissemination.

2. **FreeLance Experts**

- **FreeLancer:** <https://thelegalfiledrafts.com>
- **Client:** <https://thefreelanceexperts.com/auth?t=login>

Problem: There is a lot of unemployment among the youths in Kenya, therefore, I built a system where the youths and other people can get jobs and work remotely. You can think of it like a Kenyan-based Upwork or Fiverr

Solution: The system helps in providing jobs to the many jobless youths. It is a system that provides jobs to freelancers across the globe. Do Jobs and Get Paid.

3. **Ack St.Monica's Church website**

- **Members:** <https://monica-client.vercel.app/>
- **Clergy:** <https://monica-clergy.vercel.app>

Problem - The church needed a digital platform to plan events, and projects and make announcements accessible to the congregation.

Solution - Developed a website to inform the congregation about upcoming events and projects and replaced paper bulletins with digital announcements.

Project Scope

- Created a user-friendly website for event planning and announcements.
- Enabled the congregation to access information online.

Yield

- The church saw a tremendous increase in contributions, especially projects, because people were aware of what was going in church without necessarily having to attend church.

4. **NanaTec Solutions Business Website:** <https://nana-tec-solutions.vercel.app/>

5. **A system for companies and organizations to manage their projects and Tasks:**
<https://project-task-management.vercel.app/>

Problem - Organizations needed a way to manage members and track project progress efficiently.

Solution - Develop a system for task and project management within organizations.

Project Scope

- Enabled admins to create and assign tasks to members.
- Provided tracking and chat functionalities for smooth project management.

6. **Kenya Arts and Jewelry E-Commerce Site -** <https://gift-shop.pages.dev/>

Problem - A local jewelry business needed an online platform to reach more customers.

Solution - Create an e-commerce site for online shopping.

Project Scope

- Developed a fully functional online store.
- Integrated payment systems and user management.

Yield

- Achieved a 12% increase in popularity.

7. **Nullchemy:** <https://nullchemy.com/>

Problem - Increasing online shopping demands, required a robust e-commerce platform.

Solution - Develop an e-commerce site for online shopping.

Project Scope

- Created a comprehensive online store.
- Integrated payment and shipping functionalities.

Yield

- Achieved a 10% increase in popularity and site visits by users.

8. **Sisi Voters**

Voters: <https://sisi-voters-client.vercel.app/>

Aspirant: <https://sisi-voters-aspirant.vercel.app/>

Problem - Universities and colleges required a remote voting system for elections.

Solution - Develop a system for remote voting during university and college elections.

Project Scope

- Allowed remote voting for students.
- Ensured secure and accurate vote counting.

9. **Proficiency in the .NET framework, C#**

- **Store Management System**

Problem - Manual inventory and billing processes in stores lead to errors and inefficiencies.

Solution - Developed a desktop application using the .NET framework and C# to automate inventory tracking and billing operations.

Project Scope

- Automated inventory management with real-time stock updates.
- Streamlined billing operations and detailed reporting.
- User management with secure access controls.
- **Employee Management System**

Problem - Managing employee records, and payroll manually is error-prone and inefficient.

Solution - Created a desktop application using the .NET framework and C# to streamline employee management processes.

Project Scope

- Comprehensive employee records and performance tracking.
 - Payroll processing with detailed payslips.
- Proficient in Machine Learning and Data Science with projects like a loan prediction system and a fake news prediction system.

References:

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- devTown: +91-9983742739,

