

# JOHN VIANNY OTIENO

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## PROFESSIONAL SUMMARY

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Highly analytical problem-solver with a strong foundation in mathematics, statistics, and network administration. Proficient in data analysis, interpretation, visualization, and statistical modeling using Python, MATLAB, and R, complemented by hands-on expertise in designing, configuring, and managing WiFi networks. Skilled in router configurations, network troubleshooting, and security implementation. I am eager to leverage my technical and analytical skills to drive innovative solutions and contribute to business growth.

## WORK EXPERIENCE

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### Network Administrator & Founder

#### Veetech Internet Solutions, Juja, Kenya

June 2024 – Present

- Designed, deployed, and maintained a local WiFi network serving over 70 households and businesses, ensuring reliable high-speed internet access.
- Configured and optimized MikroTik routers to manage bandwidth allocation, prioritize traffic, and achieve network uptime.
- Implemented network security measures, including user authentication and encryption protocols, to protect client data and prevent unauthorized access.
- Troubleshot connectivity issues, reducing downtime by through proactive monitoring and rapid response to technical faults.
- Managed customer accounts, processed payments via M-Pesa integration, and provided technical support to enhance user satisfaction.
- Developed a basic web interface using HTML, CSS, and JavaScript for client login and payment tracking, improving operational efficiency.
- Expanded service coverage by through strategic placement of access points and network planning.

## THE JUDICIARY OF KENYA

January 2023 – April 2023

### Responsibilities and achievements:

- **Data Collection and Cleaning:** Gathered relevant data from various sources within the judiciary, including case management systems, performance reports, and other relevant databases. Cleaned and prepared data for analysis using tools like Stata and Excel.
- **Data Analysis and Interpretation:** Utilized statistical techniques and data visualization tools to analyze court performance, identified trends and patterns in case processing times, and judge efficiency.
- **Performance Metric Development:** Developed and refined key performance indicators (KPIs) to measure court performance, tracked performance over time, and identified areas for improvement.
- **Data-Driven Insights and Recommendations:** Provided data-driven insights and recommendations to improve court efficiency and justice delivery, generated reports and visualizations to communicate findings to stakeholders.

## MINISTRY OF PLANNING, NATIONAL DEVELOPMENT & VISION 2030

### Enumerator at Kenya National Bureau of Statistics

August 2019

### Responsibilities and achievements:

- **Data Collection:** Conducted household surveys and censuses, administered questionnaires and interviews, and utilized tablets or paper-based questionnaires.
- **Data Entry and Validation:** Entered data into digital systems, verified data for accuracy and completeness, and resolved data quality issues.
- **Fieldwork:** Traversed assigned areas, adhered to data collection protocols, and navigated challenging

terrains.

- **Teamwork and Collaboration:** Collaborated with a team, participated in meetings and training sessions, and shared knowledge and experiences.
- **Adherence to Ethical Guidelines:** Maintained confidentiality, respected privacy, and adhered to ethical standards.

## IT SUPPORT SPECIALIST AND INSTRUCTOR

### Orero Boys High School and Blogger Computer Services

#### Responsibilities and achievements:

- **Hardware Troubleshooting:** Diagnosing and repairing hardware issues, such as faulty motherboards, hard drives, and power supplies.
- **Software Installation:** Installing and configuring operating systems (Windows, Linux, macOS) and software applications.
- **System Updates:** Keeping systems up-to-date with the latest security patches and software updates.
- **Network Administration:** Managing and troubleshooting network issues, including Wi-Fi connectivity, printer sharing, and network security.
- **Data Backup and Recovery:** Implementing data backup strategies and assisting with data recovery in case of system failures or accidental data loss

## EDUCATION

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- **BSc. Industrial Mathematics**, Jomo Kenyatta University of Agriculture and Technology (Juja, Kenya), *September 2019 – December 2023*
- **Kenya Certificate of Secondary Education**, B (Plain), Kanga High School (Migori, Kenya), *February 2015 – November 2018*

## CERTIFICATIONS

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- **Alison, Completed, Introduction to Network Administration**, *July 2024*, Gained foundational knowledge in network setup, configuration, troubleshooting, and security protocols.
- **ALX Aice, AI Career essentials**, *April 18, 2024*
- **Advanced Excel**, *Jan 2025*

## SKILLS

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- **Data Analysis and Interpretation:** Collecting, cleaning, analyzing, and interpreting complex data sets using tools like Python, R, SQL, and statistical software (SPSS, SAS) to extract meaningful insights.
- **Mathematical Modeling:** Developing and applying mathematical models to real-world problems, such as optimizing processes, forecasting trends, or simulating complex systems.
- **Statistical Analysis:** Using statistical techniques to analyze data and draw conclusions, including hypothesis testing, regression analysis, and time series analysis.
- **Optimization Techniques:** Applying optimization methods to find optimal solutions to problems, such as minimizing costs, maximizing profits, or improving efficiency.
- **Data Visualization:** Experienced in tools for visualization such as Power Bi and Tableau
- **Programming Proficiency:** Coding in languages like Python, MATLAB, R, or C++ to implement algorithms, simulations, and data analysis pipelines.
- **Problem-Solving and Critical Thinking:** Identifying, analyzing, and resolving complex problems by breaking them down into smaller, manageable parts and applying logical reasoning.
- **Technical Writing:** Communicating complex technical information clearly and concisely through reports, presentations, and documentation.
- **Teamwork and Collaboration:** Working effectively with others in diverse teams to achieve common goals, sharing knowledge, and leveraging different perspectives.

## **CLUBS AND SOCIETIES**

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- **Gifted Hearts**, Homabay - empowered young people through education, mentorship, and skill development, while also contributing to community development through initiatives like clean-up drives, health campaigns, and educational programs., *September 2016 – November 2019*

## **REFEREES**

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