

# VINCENT ONCHIEKU COLLINS

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## PROFESSIONAL SUMMARY

Results-driven Cloud, Data, and Cybersecurity Analyst with a strong foundation in business analysis, backend development, and multi-cloud environments (AWS, GCP, Azure). Proven record of turning complex business needs into scalable, secure, and data-driven solutions achieving measurable outcomes such as a 25% reduction in operational errors and 15% productivity improvement at a fintech firm. Experienced in Python, Django, workflow automation (n8n), and penetration testing, with hands-on expertise in cloud security, data analysis, and CI/CD deployments. Committed to leveraging technical, analytical, and security principles to optimize systems and deliver business impact.

## SKILLS

- Cloud & DevOps:** AWS (EC2, S3, Load Balancers), Google Cloud Platform (GCP), Microsoft Azure, Docker, Cloud Security, CI/CD, Gunicorn, Firebase, Render
- Programming & Backend:** Python, Django, Django REST Framework, Node.js, JavaScript, Bash, SQL, PostgreSQL, HTML/CSS
- Cybersecurity & Networking:** Penetration Testing, Vulnerability Assessment, Metasploit, Nmap, Wireshark, Burp Suite, Nessus, OWASP ZAP, Kali Linux, Network Security, Identity Management (JWT, Entra ID)
- Data & Automation:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Power BI, n8n, Jupyter Notebook, MS Office
- Frameworks & Tools:** React, Express.js (MERN), Git, GitHub, VS Code, XAMPP, Swagger UI

## WORK EXPERIENCE

### Business Analyst

*Kenya Revenue Authority (KRA)*

May 2025 - May 2026

Nairobi, Kenya

- Translated stakeholder needs from over 5 departments into technical specifications, ensuring alignment between business goals and IT project execution.
- Identified over 15 process optimization areas through workflow mapping, achieving a 10% reduction in manual data entry.
- Served as liaison between technical and business units, reducing requirement conflicts by 30% through clear documentation and communication.
- Designed BI dashboards (Power BI, Excel) to monitor KPIs and support executive decision-making.
- Facilitated UAT for 3 major systems, resolving over 50 feedback issues and training over 100 users, ensuring smooth rollout and adoption.

### Data Analyst

*Garnet Finance*

September 2024 - December 2024

Nairobi, Kenya

- Collaborated with product and engineering teams to streamline data workflows, cutting operational errors by 25% and boosting productivity by 15%.
- Automated data analytics processes with Python and Bash, saving over 10 hours weekly in manual tasks.
- Detected and remediated 5 key security vulnerabilities, strengthening compliance and system reliability.
- Delivered accurate financial insights and supported cross-department collaboration in a remote work setup.

### Information Technology Intern

*Nakuru Law Courts*

May 2023 - August 2023

Nakuru, Kenya

- Strengthened system protection by 25% through patch management and daily IT operations.
- Resolved over 100 technical support tickets, maintaining a 90% user satisfaction rate.
- Managed user accounts, IT assets, and hybrid court session setups (virtual and on-site).

## EDUCATION & CERTIFICATIONS

**ALX Google Cloud Program** | ALX Africa (Oct 2025 – Nov 2025)

**N8N Workflow Automation** | Nairobi AI N8N Community (Oct 2025 – Dec 2025)

**Ethical Hacking** | Cyber Shujaa (Sep 2025 – Dec 2025)

**ALX Back-End ProDev (Python & Django)** | ALX Africa (June 2025 – Oct 2025)

**Azure Security Engineer Associate (AZ-500)** | Cyber Shujaa (June 2025 – Aug 2025)

**ALX Professional Foundations** | ALX Africa (Mar 2025 – June 2025)

**Microsoft Security, Compliance, and Identity (SC-900)** | Cyber Shujaa (May 2025)

**Cloud Practitioner (AWS re/Start)** | AWS re/Start (May 2024 – Aug 2024)

**Bachelors' Degree in Business Information Technology**

**Sept 2019 - Dec 2024**

**Nakuru, Kenya**

*Kabarak University*

- **Relevant Coursework:** Data Communication, Network & Communication Technology, Operating Systems, Web Application Programming, Java, Data Mining, Object Oriented Programming, Database Management System

## **PROJECTS**

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### **Online Poll System (Django REST API)**

- Developed a production-ready voting platform using Django REST Framework, PostgreSQL, and JWT authentication. Containerized with Docker, deployed on Render, and integrated CI/CD pipelines with interactive Swagger API documentation.

### **Azure & Microsoft Security Labs (AZ-500 & SC-900)**

- Configured Microsoft Entra ID, conditional access policies, and privileged identity management. Implemented secure Azure infrastructure with ARM templates, Defender for Cloud, and Sentinel for threat detection and compliance monitoring.

### **Real-Time Chat Application (MERN Stack)**

- Built a secure MERN chat system featuring real-time socket communication and JWT-based authentication for user access control.

### **Doctor Consultation Application (Firebase)**

- Created a real-time appointment booking and consultation system using Firebase for secure data synchronization and cloud-based storage.