

## Saul Nyongesa Mupalia

### SOFTWARE DEVELOPER | DJANGO DEVELOPER | IT SUPPORT SPECIALIST

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## PROFESSIONAL SUMMARY

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Results-driven Software Developer with hands-on experience building, deploying, and maintaining full-stack web applications using Python and Django. Proven track record in designing and deploying scalable systems. Skilled in IT support, database management, cloud deployment, and end-user technical assistance. Adept at working independently and collaborating across teams to deliver maintainable solutions that solve real business problems.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Dart

**Frameworks:** Django, Bootstrap, HTML5, CSS3

**Databases:** PostgreSQL, SQLite (Django ORM)

**APIs & Payments:** M-Pesa Daraja API, REST APIs

**DevOps & Tools:** Git, GitHub, Heroku, Celery, Redis, Linux

**Office Tools:** Microsoft Office (Word, Excel, PowerPoint), Google Workspace

**Soft Skills:** Leadership, Team Supervision, Problem Solving, Communication, Customer Service

## PROFESSIONAL EXPERIENCE

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### Head of Information Technology, Intern

Nov 2025 - Mar 2026

*Remian Diagnostics Limited, Nairobi, Kenya (Remote)*

- Developed and maintained a CPD-accredited webinar management platform serving medical laboratory professionals across Kenya.
- Implemented Role-Based Access Control (RBAC) to enforce security protocols and protect sensitive user data.
- Integrated Agora Live Streaming SDKs enabling the organisation to host webinars directly on their own platform.
- Configured Celery with Redis for background task processing including bulk email delivery and registration handling.
- Managed continuous deployment on Heroku, releasing updates and fixes after thorough testing.

### Computer Teacher and Instructor

May 2025 - Jul 2025

*Friends of Watoto CBO, Bungoma, Kenya*

- Delivered digital literacy training to vulnerable young mothers, teenagers, and at-risk youth.
- Taught Microsoft Office applications, email communication, internet navigation, and online safety.
- Introduced learners to Google Docs and Google Drive for independent use in school and work.

### ICT Support Staff, Attachment

May 2024 - Jul 2024

*Equip Africa Institute, Kitale Campus, Kenya*

- Designed and deployed a facial recognition attendance system that automated lecturer clock-in and replaced manual registers.
- Set up and maintained the institute video conferencing centre for internal meetings and external engagements.

- Provided day-to-day ICT support to staff and students, diagnosing and resolving hardware and software faults.
- Assisted in reviewing and improving internal systems to reduce manual workload and improve operational efficiency.

### **Cyber Cafe Attendant, promoted to Supervisor**

2021 - 2023

*Kibabii University Cyber Cafe, Bungoma, Kenya*

- Supervised daily operations of a cyber cafe and retail shop, managing staff, stock levels, and accurate pricing.
- Handled customer inquiries and complaints, maintaining service quality throughout busy university periods.

### **Sales and Delivery Agent**

2020

*Self-employed, Webuye Town, Bungoma County, Kenya*

- Managed delivery of home appliances, utensils, and household items to customers across Bungoma County.
- Built and maintained customer relationships, contributing to repeat sales and referrals.

## **PROJECTS**

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### **Remian Diagnostics Web Platform**

Sep 2025 - Present

*Python, Django, PostgreSQL, Agora SDK, Celery, Redis, M-Pesa Daraja API, Heroku*

- Originally built as a general-purpose MIS for event booking, then redesigned into a full CPD webinar delivery platform.
- Medical laboratory scientists register for accredited webinars, attend live sessions, and earn CPD points submitted to KMLTTB for licence renewal.
- Integrated M-Pesa Daraja API for secure mobile payment of registration fees directly on the platform.
- Implemented live video streaming via Agora SDKs with full control over session access and attendance management.

### **Facial Recognition Attendance System**

May 2024 - Jul 2024

*Python, face-recognition, Django, SQLite*

- Designed and deployed a camera-based facial recognition system to automate lecturer attendance tracking.
- Eliminated manual sign-in sheets and provided administrators with a reliable, searchable attendance database.

## **EDUCATION**

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### **Bachelor of Science in Computer Science**

Sep 2020 - Nov 2025

*Kibabii University, Bungoma, Kenya*

- Studied software development, system design, algorithms, and software engineering principles with hands-on project work.

### **Certificate in Website Development**

Oct 2023 - Jul 2024

*Emobilis Technology Institute, Nairobi, Kenya*

- Completed an intensive Django full-stack bootcamp covering Python, HTML, CSS, Bootstrap, and JavaScript.

**Kenya Certificate of Secondary Education (KCSE), Grade B-**  
*St. Andrews Matulo Secondary School, Bungoma, Kenya*

*2016 - 2019*

## **CERTIFICATIONS**

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- Certificate in Website Development (Django Full-Stack), Emobilis Technology Institute, 2024