

# Joshua Kiryowa Mukisa

## Software Developer

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## Profile

Freshman Computer Science student at Baylor University with 5+ years of experience in full-stack development, IoT systems, and AI/ML. Built institutionally adopted platforms including an e-voting system and a school information system, alongside neural network classifiers and Arduino-based IoT devices. Passionate about leveraging technology to empower Africans to lead and redefine the global tech space.

## Education

<b>B.S. Computer Science</b> Baylor University, Waco TX	Aug 2025 – Present
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## Experience

<b>CEO &amp; Founder</b> VoteAble	Jul 2022 – Present
<ul style="list-style-type: none"><li>Built and launched a full-stack e-voting platform now running at Aga Khan High School Kampala, with plans to scale across schools.</li><li>Turned chaotic, month-long elections into a 1-week streamlined process – vetting, voting, and instant results all in one place.</li><li>Drew 2,000+ monthly visits during election season, showing strong demand and engagement.</li><li>Plans to monetize through annual school subscriptions to set up a sustainable operation.</li></ul>	
<b>Co-Founder</b> Videra Digital	May 2025 – Present

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<ul style="list-style-type: none"><li>Co-founded a creative tech collective with two friends (2 developers, 1 UI/UX designer) to deliver sleek websites and full-stack web applications.</li><li>Closed UGX 3M in revenue in our very first summer of operation.</li><li>Spearheaded <b>Cadera</b>, a School Information System that digitizes report cards and records, giving schools faster, cleaner, and more accurate approach to data management.</li><li>Balanced code, client relations, and timelines while growing the team culture.</li></ul>	

<b>Frontend Web developer</b> UpLift Establishment Limited	Apr 2023 – Sep 2023
<ul style="list-style-type: none"><li>Designed and shipped a fully responsive website from scratch to spread brand awareness and boost customer engagement.</li><li>Revamped the UI to make navigation smoother and more intuitive for users.</li></ul>	

## Personal details

Website  
[joshuamukisa.onrender.com](https://joshuamukisa.onrender.com)

LinkedIn  
[linkedin.com/in/joshua-mukisa/](https://linkedin.com/in/joshua-mukisa/)

GitHub  
[github.com/Josh-The-Developapa](https://github.com/Josh-The-Developapa)

## Skills

Python

JavaScript

Node.js

React.js

Express.js

MongoDB

C++

PyTorch

Arduino

Git/Github

REST APIs

MS Office Suite

## Languages

English

French

- Built dynamic media galleries that brought the company's brand story to life.
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## Projects

### **VoteAble - Electronic voting Platform**

- Engineered a scalable multi-tenant voting system with dynamic subdomain routing and school ID-based data isolation.
- Implemented secure auth, poll management, real-time vote tallying, and admin dashboards with granular role-based access.
- Deployed scalable backend on Render and designed responsive UIs to optimize performance for mobile voting.

### **Cadera - Student Information System**

#### **(SIS)**

- Initially contracted for **UGX 1.5 million** by Makarios Junior School; expanding to architect a scalable multi-tenant SIS platform for academic reporting and performance tracking across Ugandan institutions.
  - Digitizing report generation, class/subject mapping, and exportable report cards (PDF)
  - Implemented secure role-based access (head teacher, admissions officer, teacher) with responsive UIs backed by a Postgres-powered Supabase API
  - Strategizing to scale and monetize the platform as a sustainable passive income source
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## References

Sophie MASEMBE

The Aga Khan High School, Kampala

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