

David Tomusange

Kampala, Uganda • +256 759 691160 • tomasangedavid2020@gmail.com

LinkedIn: linkedin.com/in/tomusange-david

PROFESSIONAL SUMMARY

Innovative IT Systems Specialist & Digital Solutions Developer with 4+ years' experience in full-stack development, systems analysis, & Information Systems Digital Transformation. Adept at leveraging data and stakeholder input to modernize and transform local manual systems to digital, boost user engagement, and ease management processes.

CORE COMPETENCIES

- Agile Problem Solving (Decision Making, Leadership, Communication, Mathematics, IS strategy and Analysis)
 - AI (Prompt engineering, Web Scrapping, AI APIs Consumption)
 - Software Engineering (Python, Flask, Django, Vue, React, JavaScript/ TypeScript, SQLite)
 - IT/IS maintenance, online broadcasting, webinar support
 - Data analysis, IS project management, IS research methodology
 - **Marketing:** Integrated offline/online strategies
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EXPERIENCE

Ddowolezo Center for Teaching & Learning, Kampala

IT Support & Development Lead | Oct 2022

- Modernized 5+ platforms; increased engagement by 40%.
- Reduced document processing time by 25% with new digital publishing.
- Maintained 99% uptime for webinars & online events.
- Built a digital book record system that's now a staple at DCTL.
- Crafted 10 learning curricula around a model-centered approach to make education more engaging.

Yukudemy Limited, Arua City

General Marketing Manager (Co Founder) | Dec 2018 – Oct 2022

- Boosted conversion rates by 36% and generated 1.2M UGX monthly.
- Transitioned teaching to e-learning: increased course content by 79% and sales by 80%.
- Developed streamlined software elicitation and documentation strategies that made building yukudemy.com a smooth ride.
- Trained 15+ teachers in **Kampala, Mukono, Masaka, Mbarara**, expanding course content by **79%**.
- Chipped in on optimizing the yukudemy platform and led the testing, helping craft a rock-solid system that made e-learning way easier during COVID-19.

Skills Development & Consulting | 2021 – 2022

- Guided the Makula TikTokers Association to up their content game and nail their marketing strategies (Makula TikTokers Association secured a government deal)
 - Sharpened data collection, documentation, and design skills at APAU, helping them stand out for government recognition.
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Education

Bachelor of Information Systems (IS)

Muni University, Arua City | 2017 – 2021

- **Relevant Coursework:** Systems Analysis & Design, IT Audit & Control, Professional Issues in IS, Database Management, Digital Marketing, Software Engineering, Enterprise Architecture, Communication Skills, Decision Theory, IS Innovation and New Tech, Data Warehousing & Business Intelligence, IT Security & Risk Management, Negotiation & Conflict Resolution, IS Project Management, & Introduction to Probability & Statistics
- CGPA: **3.65** (Second Class Upper)

Uganda Advanced Certificate of Education (UACE)

Masaka Secondary School | 2014 – 2016

- Subjects: Physics, Chemistry, Mathematics (PCM)
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CERTIFICATIONS (Harvard University, Under cs50)

- CS50's Web Programming with Python and JavaScript (in progress)
 - CS50's Introduction to Databases with SQL (in progress)
 - CS50's Introduction to Cybersecurity (in progress)
 - CS50's Introduction to Computer Science (in progress)
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ACHIEVEMENTS

- **Innovation:** "Most Innovative Contributor" at Ddowoolezo 2023.
 - **Impact:** Key role in securing an international deal with Enabel.
 - **100M Government grant:** Contributed in securing a government of Uganda covid-19 grant for best e-learning platforms serving 1,200+ learners.
 - **\$10k Partnership:** Completed a deal with Enabel to build an environment activity management app
 - **46% UNEB Boost:** Revamped science curricula at Bulo Parents School (2016–2017).
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Referees Available on Request