



Ivan Bageya

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Home: Lunyo Sigumo, Busia (Uganda)

ABOUT ME

A results-driven Computer Science graduate with solid experience in database management, software development, systems optimization, and ICT support in academic and corporate environments. Proven track record in leading projects, training users, and enhancing ICT infrastructure.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science

Busitema University [23/08/2018 – 22/02/2022]

Address: Tororo, P. O. Box 236, Tororo Tororo (Uganda) | Website: <https://busitema.ac.ug>

Uganda Advanced Certificate of Education(UACE)

Dede Secondary School [17/01/2016 – 14/12/2017]

Address: Namayingo, P. O. Box 74 Bugiri Namayingo (Uganda)

Uganda Certificate of Education (UCE)

Dede Secondary School [29/01/2012 – 13/12/2015]

Address: Namayingo, P. O. Box 74 Bugiri Namayingo (Uganda)

Primary Leaving Examination(PLE)

Buwuni Primary school [01/02/2004 – 01/12/2010]

Address: Bugiri, 00000 Bugiri (Uganda)

PROJECTS

[02/06/2025 – Current]

Busitema University Graduate Research Information Management System (GRIMS)

Developed the Student Module (registration, topic submission, progress tracking). - Developed the Supervisor Module (supervisor assignment, feedback, monitoring). - Ensured secure integration and compliance with institutional research workflows.

Link: <https://grms.busitema.ac.ug>

[18/06/2024 – 14/02/2025]

Academic Management Information System (ACMIS) - Data Migration Project

Conducted big data analysis of legacy system records (AIMS). - Designed and implemented SQL migration scripts and data mapping templates. - Migrated large-scale academic and student data accurately into ACMIS. Ensured post-migration integrity and documented the full process for continuity.

Links: <http://staffportal.busitema.ac.ug/> | <https://myportal.busitema.ac.ug/>

[04/06/2023 – 29/03/2024]

Busitema University E-Voting System (iVote)

I was the Team Lead, System Designer & Core Developer. Led the system development team and coordinated all development activities.

Designed the system architecture, database schema, and user access levels, Developed core voting functionalities including voter authentication, vote casting, and result generation, Oversaw system testing, deployment, and user training for election stakeholders.

Link: <https://ivote.busitema.ac.ug/>

[02/07/2020 – 15/03/2021]

Busitema University Quality Assurance Management System (QUAD)

Developed and deployed a web-based survey platform for the Directorate of Quality Assurance, an innovation by Prof. Saphina Biira former Director QA

Designed the database and frontend modules for student, timetable, and academic surveys.

Link: <https://quad.busitema.ac.ug/>

[15/04/2020 – 17/10/2020]

Deliverance SACCO Management Information System (DEMIS)

Conducted comprehensive requirements gathering and stakeholder interviews, -Performed system analysis and developed detailed documentation. -Designed the relational database schema to support financial transactions, savings, and member management.

Link: <https://banking.deliverancesacco.org>

[10/09/2019 – 17/11/2019]

Busitema University Human Resource System (Job Hive)

Designed and implemented the HR system's frontend user interface. - Developed the database structure to handle staff records, employment history, and leave management. - Contributed to user feedback sessions and system refinement.

Link: <https://jobs.busitema.ac.ug>

WORK EXPERIENCE

Busitema University ICT Directorate – Busia, Uganda

City: Busia | Country: Uganda

Junior Graduate Fellow

[01/07/2024 – Current]

- Successfully registered all university students and staff on the Eduroam wireless network, ensuring authenticated and seamless access across campuses.
- Assisted in upgrading the university website by ensuring compatibility with the latest stable versions of Drupal to enhance system stability and security.
- Conducted cybersecurity awareness sessions and sensitization campaigns to educate staff and students on best practices for identifying, preventing, and reporting domain-based threats, phishing attempts, and suspicious activities
- Designed and implemented database-driven applications using PHP and MySQL/PostgreSQL, focusing on performance, scalability, and data integrity.
- Developed and normalized relational database schemas, implemented indexing strategies, and optimized SQL queries to enhance application responsiveness.

- Deployed and managed Apache web servers to host and support dynamic web applications in development and production environments.
- Configured automated database backup procedures and conducted routine recovery tests to ensure business continuity and data protection.
- Designed and developed the official Busitema University News Website using Drupal, enabling timely publication and dissemination of institutional updates, events, and announcements.

Busitema Directorate of Institutional Advancement – Busia, Uganda

City: Busia | Country: Uganda

Media Specialist (Volunteer)

[15/02/2023 – 16/12/2024]

- Captured high-quality photographs of official events, field activities, and institutional milestones to enhance public visibility and archival documentation.
- Designed branded promotional materials including posters, banners, brochures, and digital graphics for use across print and digital platforms.
- Authored engaging news articles, press releases, and feature stories to highlight key achievements, programs, and public announcements.
- Managed the content publishing process via a Content Management System (**Drupal**), ensuring timely, accurate, and brand-consistent website updates.
- Maintained consistency with the institution's branding and visual identity standards across all media deliverables.
- Collaborated with departments and teams to source relevant content and support communication objectives.
- Curated and maintained a well-organized digital archive of multimedia assets, including images, graphics, and published content, for institutional reference and historical use.
- Contributed to a 25% increase in online engagement by enhancing visual content quality and implementing timely content updates.

Busitema University Library – Busia, Uganda

City: Busia | Country: Uganda

Link <https://people.busitema.ac.ug/staff/graduate-students/ivan-bageya>

Systems Librarian Fellow

[28/06/2022 – 01/09/2024]

- Administered and maintained Library Management System called Koha, DSpace including configuration, user access, and module customization.
- Oversaw server-side operations, scheduled backups, and system configurations to ensure optimal performance.
- Customized and supported the Online Public Access Catalog (OPAC) for improved user experience.
- Provided first-line technical support for library staff and students encountering issues with library systems.
- Diagnosed and resolved problems related to electronic databases, digital repositories, and authentication systems.
- Maintained and updated the library website which was running CMS platforms called Drupal.
- Managed digital archives and institutional repositories (e.g., DSpace) for scholarly content.
- Supported cataloging staff in managing metadata and bibliographic standards (e.g., MARC, Dublin Core).
- Installed and Configured Open journal system to ensure accurate indexing and discoverability of library holdings.
- Trained library staff and academic users on the use of library systems, e-resources, and digital tools.
- Provided the essential hardware support for the laptops, desktop personal computers, the printers, Scanners and other library hardware technologies

SOFI-TECH SOLUTION LTD – Tororo, Uganda

City: Tororo | Country: Uganda

Software Developer

[05/09/2021 – 01/09/2022]

- Participated in client meetings to gather software requirements and recommend technical solutions
- Led the technical team in software and web development projects like Deliverance SACCO management Information System(DEMIS).
- Designed and deployed systems for schools(School Central), institutions, and NGOs.
- Designed and developed websites for various clients, including Busitema University Guild, Ebeniser Global, Wenips Uganda, Esperanza, and Blue Cross Uganda, among others
- Trained interns in web development, UI/UX design, and networking.
- Managed backups and disaster recovery procedures for web applications and databases
- Provided post-deployment support and updates based on user feedback.

Return Hope International – Bugiri, Uganda

City: Bugiri | Country: Uganda

IT Specialist

- Managed the organization's child sponsorship system and website.
- Supervised a team for data entry and information management.

SOFI-TECH SOLUTION LTD – Tororo, Uganda

City: Tororo | Country: Uganda

Technical support manager

[12/05/2019 – 02/09/2021]

- Supervised a small but dynamic team of IT support technicians, ensuring efficient handling of client and internal technical requests
- Acted as the main point of contact for high-priority client issues, ensuring clear communication, timely follow-up, and complete resolution.
- Drafted and updated documentation for client systems, ensuring knowledge transfer and reducing dependency on key personnel
- Planned and organised the user support actions and troubleshoot ICT problems and issues.
- I also supervised the help desk team ensuring that the customers get the appropriate feedback and support.

SOFI-TECH SOLUTION LTD – Tororo, Uganda

City: Tororo | Country: Uganda

Volunteer

[02/12/2018 – 09/05/2019]

- Install and update operating systems and applications
- Support installation of antivirus and monitor for threats
- Help update content on websites or internal portals (working with CMS like WordPress and Drupal)
- Troubleshoot issues with internet connectivity, hardware, or basic software
- Provide basic training to users on how to use e-learning tools like Zoom, and Moodle
- Data collection and data entry

LANGUAGE SKILLS

Mother tongue(s): Lusamia | Lusoga

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Luganda

LISTENING C2 **READING** B2 **WRITING** B1

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Programming & Web Technologies:

CMS & Frameworks (Drupal, Laravel, Wordpress) / Web Design & Web Development / Experience with PHP, SQL, HTML, CSS, JavaScript

Database Management:

MySQL / DBMS (Postgress/MySql)

Systems & Tools:

Linux (Server) / WAMP/XAMPP

Soft Skills:

Decision-making / Critical thinking / Creativity / Analytical skills / Team-work oriented / Conflict resolution

Others:

Google Docs / Google Drive / Zoom / Microsoft Office / Social Media / Basic in photography and photoshopping / Cybersecurity Awareness & Threat Monitoring

RECOMMENDATIONS

Name: **Gilbert Gilibrays Ocen** | Director, Directorate of ICT, Busitema University

Email: gilbertocen@gmail.com | Phone number: (+256) 700767590

Name: **Dr. Grace Adong** | Principal ICT Officer – ODEL, Busitema University

Email: grace.adong21@gmail.com | Phone number: (+256) 0782557366

The information provided herein is true to the best of my knowledge



Ivan Bageya