

Bunya Simon

Position* Senior Software Engineer		
Personnel information	Name * Simon Bunya	Date of birth 27-05-1991
	Education qualification	
	Masters in Computer Science (Computer Security)	Uganda Technology and Management University (UTAMU) (2019 - 2021)
	Bachelor of Science in Software Engineering	Makerere University, Uganda – 2016
	Uganda Advanced Certificate of Education	Caltec Academy Makerere – 2010
	Uganda Certificate of Education	St. Joseph Bulaga SS – 2008
	Professional qualifications	
	2014 – Date: InfoTronics Business Systems, Systems Developer, Coding and Database Designing	
Present employment	Name of Employer InfoTronics Business Systems (from 2014 – Date)	
	Address of Employer 25 North-South Close, P.O Box 16190, Kampala, Uganda	
	Telephone +254-113264677	Contact (manager / personnel officer) Dr. Peter Wakabi
	Email: simonbunya@gmail.com	
	Fax	E-mail simonbunya@gmail.com
Job title and Responsibilities: Systems Developer, Coding and Database Designing.	Years with present Employer (Experience) Seven (7) Years	

Simon Bunya

Name: Simon Bunya
Date of Birth: 27-05-1991
Country of Citizenship / Residence Ugandan / Uganda

Basic Information

Name: Simon Bunya
Date of Birth: 27th May 1991
Marital Status: Single
Nationality: Ugandan
Contact: +254-113264677
simonbunya@gmail.com bunyas@yahoo.com

Academic Qualifications

Qualification	Institution	Year
Master's in computer science (Computer Security)	Uganda Technology and Management University (UTAMU)	2019 - 2021
Bachelor of Science in Software Engineering	Makerere University, Uganda	2016
Uganda Advanced Certificate of Education	Caltec Academy Makerere, Uganda	2010
Uganda certificate of Education	St. Joseph Bulaga SS	2008

Experience Record

2014 – Date: Software Developer/Engineer, InfoTronics Business Systems.

Jan, 2014 - May, 2014: Intern Software Developer, InfoTronics Business Systems

Simon Bunya Resume **Telephone:** +254-113264677 **Email:** simonbunya@gmail.com

Programming Frameworks Skill:

- **Frameworks:** .NET Framework, Entity Framework, ASP.NET MVC, ASP.NET Core, ASP.NET Web Forms and .NET Technologies and REST APIs.
- **Mobile:** Xamarin Forms, Mobile sites, Android- for cross-platform mobile app development.
- **Microsoft Office 356:** PowerApps, Power Automate Flows, Microsoft Forms, SharePoint

Programming Language Skills (languages in which I can work):

- a) **Administration Tools:** SQL Server Management Database Studio
- b) **Databases:** Microsoft SQL and MySQL
- c) **Frameworks:** .NET Framework, Entity Framework, ASP.NET MVC, ASP.NET Core, ASP.NET Web Forms, Entity Framework Core, Brazor
- d) **Cloud Services:** Microsoft Azure
- e) **Mobile:** Xamarin Forms, Mobile sites, Android. - for cross-platform mobile app development
- f) **Programming Languages:** C#, JQuery, XHTML, HTML5, CSS, JavaScript,
- g) **APIs:** REST APIs
- h) **Microsoft Office 356:** PowerApps, Power Automate Flows, Microsoft Forms, SharePoint
- i) **Reporting Tools:** Crystal Report 10, Microsoft Report 10.0(RDLC)
- j) **Developer Tools:** Microsoft Visual Studio.
- k) **Webservers:** IIS, GIT, Agile, ASP.NET Web API
- l) **Operating Systems:** Windows 7, Windows 8, Windows 10

BRIEF PROFILE

Bunya is a self-motivated person with excellent interpersonal skills and a seasoned software developer majoring in object oriented C# (**.NET Framework, Entity Framework, ASP.NET MVC, ASP.NET Core, ASP.NET Web Forms**) and an ICT professional who holds a Bachelor's degree in

Software Engineering from Makerere University and currently pursuing a masters in Computer Science at Uganda Technology and Management University (UTAMU).

He has over seven (7) years of practical experience in the design, development, deployment and maintenance of large, complex and integrated Information & Communications (ICT) systems in .NET MVC Frameworks technologies and Microsoft Office 365 (PowerApps, Power Automate Flows, Microsoft Forms, SharePoint). This expertise has been attained through working with local, international, public, and private sector organizations. He has competently worked on assignments of both national and international scope which exposure endows him with the relevant experience that meets the requisite management and ICT needs of most kinds of development programs.

Over the seven years, he has taken an active role in designing and writing code for several systems in the East African Region. These systems range from Monitoring and Evaluation Systems (EAMS Central, web-based ordering application system for medical access Uganda limited), Land Titles Management Systems, and Xamarin mobile application.

He is endowed with practical hands-on experience with a wide range of state-of-the-art specialised software development tools and technologies: Visual Studio.NET (.NET Framework; Entity Framework; ASP.NET MVC; ASP.NET Core; ASP.NET Web Forms; C#.NET; ADO.NET; Visio; Microsoft RDLC Reports and Crystal Reports), Relational Database Management Systems (RDBMS) including MS SQL Server, and MySQL database programming; HTTP; DHTTP; HTML; XML; and XSL, Java, JavaScript, Microsoft.NET Framework, Entity Framework Core, Windows Server IIS, REST APIs and Microsoft Azure.

I have a unique passion for building something from nothing, and nurturing the growth process of a person, team, or system. I enjoy spending my time learning and nurturing new skill set. I love being part of dynamic winning teams, leveraging my +6 years' experience in software development, having actively participated in multiple simultaneous software development projects from project initiation through final deployment and operational support.

Employment Record:

Period (Month and Years)	Employing organization and Your title/position. Contact information for references		Rules and Responsibilities
2014 to Date.	Organization	InfoTronics Business Systems	<ol style="list-style-type: none"> 1. Requirements analysis and gathering from clients 2. Develop systems (write code) in C# language using .NET Framework, .NET MVC framework. 3. Design SQL Databases and schemas. 4. Enforcing system security and system User management using Microsoft ASP Identity hashing algorithm. 5. System and unit testing. 6. System documentations (System specification and Design Documentation) 7. Deploy System on IIS servers. 8. Microsoft Office 356: PowerApps, Power Automate Flows, Microsoft Forms, SharePoint
2019 - Date	Position	Systems developer	
	Contact information for References	Dr. Peter Wakabi, Manager <u>+256 – 752646726</u> pwakabi@gmail.com , pwakabi@hotmail.com ,	
	Tunga Software Engineer	ELIJAH ATUHAIRE Head of Projects – Tunga <u>+256 -779273959</u> elijah@tunga.io	

Rules and Responsibilities

1. Requirements analysis and gathering from clients
2. Develop systems (write code) in **C#** language using **.NET Framework, .NET MVC, .NET MVC Core framework and MS-SQL.**
3. Creating and maintaining the **NET Framework, .NET MVC, .NET MVC Core framework-** based web applications as per the guidelines of the clients and according to technical specifications.
4. Designing responsive interfaces using **HTML5, CSS3 for styling, JavaScript and/or JQuery.**

5. Develop/Write **APIs to seamlessly interface with different systems** or for transferring data from one system to another.
6. Create **.NET MVC Framework** applications which use new technologies like SignalR for real-time data updates and notifications.
7. Designing back-end database structures for the web applications and also generating stored procedures that are complex in nature for the software's maintenance purposes. **(Design SQL Databases and schemas).**
8. Designing **Spatial Databases** for clients who are interest in GIS coordinates
9. Enforcing system security and system User management using **Microsoft ASP Identity hashing algorithm.**
10. Develop the guidelines and conventions not only for **.NET Framework, .NET MVC and .NET MVC Core but also for C#, SQL Server, CSS3, HTML5, JQuery and JavaScript.**
11. Performing **extensive software testing** and stringent quality checks as per the Quality Control guidelines to ensure an error free as well as optimum final system to the user and also to ensure a standard user experience for the clients across all platforms.
12. Upgrading existing web applications/legacy systems according to the feedback received from the end users or clients, ensuring the application is compatibility with the latest **.NET technologies (.NET MVC, .NET MVC Core and SignalR).**
13. System documentations **(System Specification and Design Documentation)**
14. Deploy Systems on **Internet Information Services (IIS) Servers.**
15. **Blazor**, With Blazor one can build interactive web UIs using C# instead of JavaScript. Blazor apps are composed of reusable web UI components implemented using C#, HTML, and CSS. Both client and server code is written in C#, allowing code and libraries to be shared.
16. **Microsoft Office 365:** PowerApps, Power Automate Flows, Microsoft Forms, SharePoint

Consultancies / Projects worked on from InfoTronics Business Systems.

- a) **Design, Development and Implementation of an Integrated Supply Chain Management Information System which is a web-based and Mobile Application system for Medical Access.** I was the lead software developer/architect on the team that developed the web-based monitoring system for medical access Uganda limited. **The system is web-based MVC application and it was developed using Visual Studio.NET, .NET MVC Core, .NET Framework, SignalR and SQL Server.**

The Medical Access system comprises an online ordering portal for Health Facilities across the country. The system has the facility view window, where MAUL supported facilities with user login credentials can access the system to place their orders (Routine or Custom Orders), which are then sent to SCTO for approval and later forwarded to LMIS / Medical Access for processing. The system also shows all the facilities that are supported by the organization on a google map using spatial data longitudes and latitudes.

The System not only sends automated E-mail and SMS notifications for alerts and reminders to facility personnel, but also has an order tracking module where a facility/User can at any time track the progress or status of their order to know whether it has been received, approved, processed or in transit. The ordering system also links with SAP and IFDMS systems, thereby exchanging real time information on orders placed by different facilities and other information about those facilities using **SignalR .Net technologies and REST APIs.**

The CHSS Mobile Application is a medical access data collection application that runs on android tabulates, it was created to emulate the Medical Access Excel Spars Tool which the organization was using to collect information from all the Health Facilities that they Supply Different kinds of Medicines. This Application was developed with it in mind that several areas in Uganda don't have internet footprint. Therefore, it operates in

online/offline modes and it automatically synchronizes the data when an internet connection is established. The CHSS Mobile Application was developed using Xamarin, which is well suited for cross-platform development. Cross-platform refers to the development of mobile apps that work on multiple mobile platforms: Android, iOS, and Windows.

- b) **Design, Development and Implementation of a management Information System for World Education Inc./Bantwana Initiative Uganda** I was one of the software developers this .NET MVC application for USAID. **The system is web-based MVC application and it was developed using Visual Studio.NET, .NET MVC, .NET Framework, and SQL Server.**

In that assignment we redeveloped the system from the ground up. We also migrated the data from a PostgreSQL Database to SQL Server database engine with properly designed and normalized database tables; and developed the new software based on contemporary software design principles.

- c) **Design, development and implementation of the East African Community Central Monitoring System (EAMS-Central).** I was on the software development (C# software developer) team that redesigned, developed and implemented the East African Monitoring System-EAMS Central to improve the efficiency and effectiveness of monitoring and reporting on the implementation of key EAC Decisions/Directives, Strategies, and Protocols. The EAMS-Central has a web-based interface through which decisions made by Council of Ministers are accessed by the Partner States. The EAMS central system is hosted by the EAC Secretariat in Arusha, Tanzania but accessed by all the five Partner States and EAC Organs. **The system is web-based and it was developed using Visual Studio.NET, .NET MVC Framework, C# language and SQL Server.**

EAMS-Central comprises modules for decisions and directives of the Summit, Council and Sectoral Councils, and analytical reports that are used by EAC Secretariat and the all focal point officers in the Partner States. EAMS-Central has been enhanced to include the module for the bi-annual EAC Calendar of Activities; Common Market Protocol; elimination of Non-Tariff Barriers; Single Customs Territory; and Bills & Acts

d) **Design, development and implementation of HIV-AIDS Database system for Strengthening Tuberculosis and HIV&AIDS Responses in East Central Uganda (STAR-EC).**

The system was a system developed using **Visual Studio.NET, C# and SQL Server**. This was used in the Eastern Uganda by USAID to capture data/information on people (mostly targeted children) with Tuberculosis and HIV-AIDS.

e) **Re-design, development and implementation of The Ministry of East African Community Affairs Monitoring System (EAMS Rwanda).**

I was one of the software developers on the team that upgraded the web-based monitoring system for the Ministry of East African Community Affairs Monitoring System of Rwanda. This system is shared with MDAs to report on the status of implementation of decisions and directives of the Summit and Council. The main objective of this assignment was to upgrade the existing EAMS Rwanda to make in fully compliant with the updated EAMS Central and also fix the known existing challenges in EAMS Rwanda. MINEAC Rwanda had developed an initial operational country level EAC Monitoring System (EAMS-Rwanda) but there are new developments that have been included in EAMS-Central, and the originally developed systems had known issues that needed fixing. These new developments, coupled with the known issues to be fixed necessitated a revisit of the initial system, which we ably handled. The new EAMS Rwanda has a seamless interface with the EAMS central system. The system is web-based and it was developed using **Visual Studio.NET, .NET MVC, C# and SQL Server**.

- f) **Design and Development of an MIS for the Youth Livelihood Programme for Ministry of Gender, Labour and Social Development (Kampala, Uganda).** I was one of the software developers on the team that developed this application. The system is web-based and it was developed using **Visual Studio.NET, .NET Framework, ASP.NET Webforms and SQL Server.**

The system was designed targeting the poor and unemployed youth in all the districts in the country, capturing all particulars of a given youth group including their village. In this project, we used google-maps based on the coordinates provided (X, Y) longitudes and latitudes of a particular youth group.

- g) **Design, development and implementation of The Ministry of East African Community Affairs Monitoring System (EAMS Uganda).** I was one of the software developers on the team that designed, developed and implemented the East African Monitoring System- EAMS for Uganda's Ministry of East African Community Affairs Monitoring System. EAMS Uganda has a web-based interface through which decisions made by Council of Ministers are accessed by Uganda. EAMS Uganda has a seamless interface with the EAMS central system. The system is web-based and it was developed using **Visual Studio.NET, .NET ASP Webforms, C# and SQL Server.**

- h) **Design and Development of an MIS for the Women Entrepreneurship Programme (UWEP) for Ministry of Gender, Labour and Social Development (Kampala, Uganda).** The system is web-based and it was developed using **Visual Studio.NET, .NET Framework, .NET MVC framework and SQL Server.**

The system was designed targeting the poor and unemployed women in all the districts in the country, capturing all particulars of a given youth group including their village. In this project, we used google-maps based on the coordinates provided (X, Y) longitudes and latitudes of a particular youth group.

Unlike the Youth Livelihood programme that targets poor youth in all districts of Uganda, Women Entrepreneurship Programme targets only women in all the districts of the country.

Both projects are implemented by the government through the ministry of Gender, labour and Social development.

- i) **National Housing and Construction Company Limited/ Re-Design, Development and Implementation of a Titles Management System.** I was the lead software architect/developer on the team that re-designed and implemented a system for managing and keeping track of the land titles within and outside the company. The intended objective of the automation was for the system to assist the NHCCCL management in keeping track of the movement of the land titles within and outside the company, and to work as a lease expiry notification system.

The old National housing and construction Titles' management system had been developed using ASP Webforms, so we had to re-develop it using .NET MVC Framework.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award.