

**MUSIITWA JOSEPH****E-mail:** [josemusiitwa@gmail.com](mailto:josemusiitwa@gmail.com)**Contact number:** +256788229210  
+256706077117**OBJECTIVE** Applications Programmer**PERSONAL PROFILE**  
I am a person who has developed mature and responsible approach to any task.  
I am excellent in working with others to achieve a certain objective on time and with perfection.

EDUCATION	Year	Award Obtained	School / Institution/College
	2012- 2017	Bachelor of Science in Software Engineering Transcript	Makerere University College of computing and information technology
	2010- 2011	Uganda Advanced Certificate of Education	Central College Mityana
	2004-2007	Uganda Certificate of Education	Kiryokya Parents Secondary School

TECHNICAL SKILLS	Skill and Knowledge	Experience	Level
	Microsoft Office Tools and Packages	10 years	Expert
	Operating Systems (Windows and Linux)	10 years	Advanced
	Web Development (HTML5, PHP, .Net, Ajax, CSS3, JavaScript, JSP)	7 years	Advanced
	Database (MySQL/MariaDB, SQL Server, SQLite, MongoDB)	7 years	Advanced
	Programming Languages (Java, C, C++, C#, Python)	7 years	Good
	Graphics Designing (Photoshop, InDesign and Illustrator)	5 years	Good
	Mobile Application Development (Android)	5 years	Intermediate

**INTERPERSONAL SKILLS**

- Commitment to hitting the planned targets
- Problem identification and solving ability
- Planning, designing and implementing of programs and projects
- Ability to work under strict deadlines and plan for activities under minimum supervision

## Work Experience

### MAKLAND INSTITUTE OF BUSINESS AND MANAGEMENT

April 2016-Present

Teaching assistant

- Teaching diploma student's introduction to web designing and internet, database design, client server and programming, computer applications, discrete math and computer architecture in various semesters and academic years.

### MAKERERE INSTITUTE OF TECHNOLOGY EAST AFRICA

June 2015-Jan 2017

Internee (June 2015 – August 2015)

Taught web designing and the internet to diploma and certificate students using a pamphlet that I designed and also installed updated software on computers.

Teaching Assistant (August 2015- Jan 2017)

- Teaching diploma students introduction to web designing and internet, database design, client server and programming, computer applications, discrete math and computer architecture in various semesters and academic years
- Coordinating and managing students final year projects

### YOUNG PROGRAMMERS PLATFORM

March 2015- August 2015

Junior software developer and analyst

- Collected requirements from clients
- Reviewed websites for maintenance and them before going live
- Presented ideas for system improvement, wrote specifications and programs

## Projects and Demos

### URA EFRIS Integration for Kalangala Infrastructure Services (KIS)

In July 2017, I developed, trained and installed a water billing system for the company and also made automatic database backups with task schedule and batch scripting. The system generates invoices after adding meter reading of the customer. The invoices include previous invoice balance if any.

Later, in November 2017 I was contacted to start Application Programming Interface (API) for USSD integration which I did successfully.

In Aug 2020, I upgraded the system to also generate invoices for electricity postpaid customers.

In Jan 2021, I integrated KIS water billing system with URA Electronic Fiscal Receipting and Invoicing System. (EFRIS)

### URA EFRIS Integration for McLeod – Tea Company

In Aug 2020, I developed a tea tracking system and also integrated it with URA electronic invoicing system - Efris

### Uganda Electricity Distribution Company Limited (UETCL)

Mar 2018 – Apr 31<sup>st</sup> 2020, I developed a Billing and Receipting system for UETCL. The system is used to for Power customers and Optic Fibre customers generating invoices from the entered readings, tariffs and applied formulas

### Uganda Electricity Distribution Company Limited (UEDCL)

From Jan 2018 to Dec 15<sup>th</sup> 2019, I designed a Fuel and Fleet management system. It's used to request for vehicles, assign vehicles and also make fuel accountability. It is used for pool vehicles, territory vehicles and personal to holder

### FUFA Cash Requisition and Procurement System

From October, 2018 to Jan 31 2019, I developed a Requisition system for FUFA having been sub contracted by Flexem Systems Ltd. It had about five workflows and each workflow had at least three approval levels.

## Projects and Demos

### Institution Management Software (XMS)

I developed an institution management software which used by some institutes a round kampala eg. Redan Institute of Innovations, Makland Institute of Business and Management, Web info net, Mascom e.t.c. The software helps the institutes in student registration, keep track of students payments, generating of transcripts, identity cards and certificates.

### Website Development and Management

#### Kalangala Infrastructure Services Website Dec, 2017 – Jan 14<sup>th</sup>, 2018

I signed a contract with Kalangala Infrastructure Services (<http://www.kis.co.ug>) to redesign their website from a static website to dynamic website which was a custom-made content management system.

#### Kenlon Hotel Dec, 2019

I designed a website for kenlon hotel (<https://www.kenlonhotel.com>). The website displays different rooms and their respective prices. Others services like gym, club and garden are also displayed. A customer can also book online.

#### Mercy Medical Clinical Research Center Dec, 2021

I designed a website for Mercy Medical Clinical Research Center (<https://www.mmclinicalresearch.com>).

#### Code Eagles website October 2014 – November 2014

Designed and coded the website ([www.codeeagles.com](http://www.codeeagles.com)), implementing functionality like pagination, multiple delete and posts, notification animation using jquery, enforcing foreign key constraints, using mysqli instead of mysql, changed from using nested select statements to sub queries, aliases, functions and joins. Later on I learnt regular expressions, used it for URL rewriting and in php to alter any piece of code.

#### June 2015 – July 2015 Building Code generator and Sudoku game

Helped students in developing their recess project and later on it implement a 9x9 sudoku game. From these projects I learnt how to use font awesome icons and javascript in an advanced way.

#### Jan 2016 – May 2016 Examination and congestion reduction system

Designed two final year projects for students using ophp, pdo, less, mysql, html5 and javascript. From this project I learnt the MVC pattern, more concepts in ophp and pdo.

#### June 27<sup>th</sup>, 2016 – July 23<sup>rd</sup>, 2016 Spectrum newspaper information management system

I helped of a group of internees at computing palace in the development of a system for spectrum, a Christian newspaper. This involved collecting requirements, database and application development. I explained every concept that they asked and that would be useful to them as per my experience.

#### Dec, 2016 – July 3<sup>rd</sup>, 2017 GSM Based home automation system

I developed a home automation system for a group of final year students. I learnt how to interface arduino with different sensors like temperature sensor, light sensor, proximity sensor, sending and receiving messages using a GSM module and also working with relay module

## REFEREES

### Mr. Karuhaga Delta

Application Analyst  
UEDCL

Tel: +256777893032

Email: [delta.karuhaga@uedcl.co.ug](mailto:delta.karuhaga@uedcl.co.ug)

### Mr. Bantu Eric

System Administrator  
Kalangala Infrastructure Services

Tel: +256772686100

Email: [eric.bantu@kis.co.ug](mailto:eric.bantu@kis.co.ug)

### Madam Phoebe Mujuni

Academic Registrar  
Makland Institute

Tel: +256702678536