

# CURRICULUM VITAE

## PERSONAL PROFILE:

<b>Full Names</b>	:	James Ssekamatte
<b>Gender</b>	:	Male
<b>Date of Birth</b>	:	13 /July/ 1992
<b>Nationality</b>	:	Ugandan
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## WORKING EXPERIENCE:

**Organisation:** InfoTronics Business Systems

**Period:** January 2018 – To Date

**Position:** Software Developer.

**Location:** Bukoto – Old Kira Road, Kampala-Uganda

### Responsibilities:

- I am responsible for the design, development and testing of new features in all software applications that we as a company develop on a day-to-day basis.
- I ensure regular communication among the software development team at the company through the software development process.
- I take part in the implementation, testing, and bug-fixing processes in the developed software applications.
- I hold the responsibility for designing and implementation of software projects in the company.
- I lead a team of 3 people in the development and maintenance of over two software development assignments in the organization.
- I am liable to ensuring that there is the best possible performance quality, and responsiveness of the software applications that have been developed by the company.
- I lead the software quality assurance and testing team to identify bottlenecks and bugs in the finished software applications hence devising solutions to the identified problems.
- I help the different software development teams in maintaining code quality, organization and automization.

- I take part in the designing of database tables and structures that are used to capture data for the developed software applications.
- I take part in creating views, functions and stored procedures for the developed databases in order to return the required data as desired by the clients using Transact SQL statements (T-SQL).
- I write optimized SQL queries that enable several systems integrate with others with which they share data to a particular extent.
- I take part in the creation of database triggers for use in automation services in the database where there is need.
- I take part in the maintenance of data quality in the database and oversee the database security to avoid data loss and hacking.
- I lead a team of 4 people in the analysis of the existing SQL queries for performance improvements to ensure that the queries return the right results and in the shortest time possible.
- I help the mobile application team in the development of cross platform mobile applications that run on Android devices, iOS devices and Windows devices using Xamarin.Forms.

### **Skills Gained**

- I have proficiently increased my C# (C Sharp) programming language skills and how to develop several classes and modules using the Object-Oriented approach.
- I have gained familiarity in the development of cross platform mobile applications using Xamarin.Forms.
- I have gained a high level of familiarity with the .NET frameworks and how to use them in the day-to-day software development projects.
- I have gained a better and strong understanding of Object-Oriented programming.
- I have gained knowledge in writing reusable C# libraries that can be used in different software projects which enables timely completion of software projects within the time frame.
- I have attained a high degree of familiarity of various design and architectural patterns; when and where to apply each design pattern in the development process.
- I have a high degree of writing Transact SQL queries in the Microsoft SQL server.

- I have gained experience working with the popular .NET web application frameworks like Microsoft Web Forms, Model View Controller (MVC), ASP.NET Core and Blazor which is the current framework.
- I have increased knowledge in creating database schemas that represent and support business processes through writing SQL statements.
- I have gained skills of implementing automated testing platforms and carrying out unit testing on a software application that has been developed.
- I have gained more familiarity with continuous integration of different system modules during software development.
- I have improved communication skills through the continuous stake holder meetings and end user trainings on the developed software applications.
- I have improved my document writing skills since I take lead in the preparation of project proposals, system technical and user manuals.
- I have high data security skills both in the back end and front end of the software systems under development.

**Organisation:** John Snow, Inc. (JSI)

**Period:** October 2017 – December 2017

**Project:** USAID RHITES-N, Lango

**Position:** Electronic Medical Records (EMR) Clerk.

**Location:** Lango Sub Region

#### **Key Achievements**

- I supported JSI in entering all Art card data into the Electronic Medical Records (EMR) system leaving no room of missed data.
- I supported JSI in updating current client details while showing the dead and lost clients who could not be traced at the facilities.
- I trained over 20 hospital staff in using the EMR system to record client details at the different facilities.
- I supported in the data cleaning process to remove data inconsistencies in the system that was giving misleading information.
- I supported health facilities in the districts of Lira, Oyam, Kole, Dokolo, Amolatar, Alebtong and Apac in generating the Health Management Information System (HMIS) reports using the Electronic Medical Records System that are sent to the Ministry of Health.

- I led a team of 5 to help the hospital staff in the retrieval and filing back of files at the health facilities.

**Organisation:** United Nations Development Programme (UNDP).

**Period:** April 2017 – September 2017

**Position:** Information Systems Analyst.

**Location:** National Emergency Coordination and Operations Centre (NECOC).

Office of the Prime Minister (OPM)

**Department:** Department of Disaster Preparedness and Management.

**Key Achievements:**

- I led in the collecting of historical disaster data from the NewVision past papers and several government print media like the district disaster reports.
- I supported NECOC in updating the Disaster Information Management (DesInventar Database) with the current disaster information which is now available at [www.desinventar.net](http://www.desinventar.net) and used by several government organisations for statistical development.
- I developed the Disaster Statistical Report that summarises disaster statistical data in Uganda for the period 1989 – 2018 that is currently used by the Office to plan for the disaster-prone areas in Uganda.
- I supported NECOC in ensuring that the Disaster Information Management system was up and running at all times it is required.
- I created a new disaster reporting tool that matches with the current Information system at the office to improve the data collection and entry process.
- I introduced new record keeping of the reporting tools at Necoc in box files to prevent loss of these tools as it was initially since they are always required for future reference when approving data in the DesInventar system.
- I trained a team of ten interns at OPM in carrying out data collection from district reports and entry of this data into the DesInventar system.
- I supported the OPM official team to clean and approve the entered data in the DesInventar system to ensure that there is no repeated and empty records in the system that would yield wrong reporting results.
- I led in the presentation of the current stake of the DesInventar system in Uganda to the UNISDR and KCCA team on behalf of NECOC.

**Organisation:** Makerere University Johns Hopkins University (MUJHU)

**Period:** May 2016 – March 2017

**Position:** Locum Electronic Medical Records (EMR) Records Clerk.

**Location Site:** Mulago hospital – Kawempe (Obstetrics and Gynaecology).

**Key Achievements:**

- I supported MUJHU in entering all data at the facility into the Electronic Medical Records (EMR) System in their specific clinics.
- I supported MUJHU in training hospital staff on how to use the EMR system when entering patient details from the point of antenatal to the time the mother is discharged out of the facility.
- I supported MUJHU in updating all client's details in the system and ensuring that all clients appointment dates were clearly stated for easy follow up.
- I supported the Mulago hospital Midwives in creating maternity files for patients that had been admitted to the hospital for delivery.
- I supported the Mulago hospital records staff in the filing and retrieval of files for patients that either came for antenatal visits or delivery.
- I supported MUJHU in organisation of workshops at Mulago hospital with Doctors that were to be trained in using the EMR system that was introduced at the facility.
- I supported MUJHU in ensuring that the EMR system was up and running at all times to avoid missing out on any important data.
- I supported MUJHU to generate weekly, monthly and quarterly HMIS reports that were sent to the Infectious Disease Institute (IDI) and the Ministry of Health to keep track of the current hospital statistics.
- I helped the records team in improving records keeping by adding more shelves in the records room to ensure that all files were kept in a corresponding order that is easy to look up for a patient file on their visit date which also reduced on the file loss and damage.

**Organisation: Kampala Capital City Authority (KCCA)**

**Period:** December 2015 – December 2016

**Position:** Data Collector

**Key Achievements:**

- I assisted KCCA to acquire sanitation and hygiene information from homesteads which had initially denied offering the organisation any information for fear of their property being demolished.
- I carried out sensitization meetings within community gatherings and advised them on how they can keep their hygiene to avoid disease outbreak due to poor hygiene and sanitation in the community.
- I supported the authority in identifying the number of sanitation facilities in the five divisions that make up Kampala district for proper planning of the city.
- I supported KCCA in the data collection process in finding out how many homesteads in Kampala district did not have toilet facilities as these statistics were to be used by the organisation in constructing public facilities for the communities.
- I supported KCCA in maintaining the mobile application data collection tool (Epi Collect).
- I supported KCCA in organizing community meetings with the VHT's (Village Health Teams) to sensitize the community on how to ensure good hygiene.

**Organisation: Ministry of Works and Transport, Kampala**

**Period:** June 2014 – August 2014

**Position:** Intern (Information Technology department)

**Key Achievements:**

- I supported the Ministry on behalf of the Government of Uganda in updating the ministry website with the current information and happenings at the ministry.
- I supported in the organisation of meetings at the ministry by setting up the conference room and the computers required for the meetings.
- I supported the Information Technology department at the ministry with training of staff on how to use the new computers that were provided by the government of Uganda.
- I led all interns at the Ministry in updating of all staff computers with the current Operating System and Anti-Virus to keep them safe from crashing as they contained alot of important ministry data.
- I supported the Information Technology department at the Ministry to organize workshops with the National Information Technology Authority (NITA), Uganda Communications Commission (UCC) and the Ministry of ICT that were held once a month to discuss the technological progress at the ministry.
- I supported in backing up data at the ministry servers each day before leaving office to prevent data loss incase power fluctuations happen to occur.
- I supported the ministry in ensuring that the servers and internet was up and running at all times to avoid any issues of data loss due to server problems.
- I supported in maintaining the social media platforms at the Ministry by giving current correspondences with the current happenings at the Ministry and those that were expected to take place.
- I received and returned calls that always cam in to the Information Technology team from different departments and this improved my customer service desk and communication skills.

## EDUCATION BACKGROUND:

PERIOD	INSTITUTION	AWARD
2017 – To Date	Makerere University, Kampala.	Master of Science in Data Communication and Software Engineering- (Finalising Research)
2011 - 2015	Makerere University, Kampala.	Bachelor of Science in Software Engineering.
2009 – 2010	St. Maria Goretti Senior Secondary School, Katende.	Uganda Advanced Certificate of Education (UACE).
2005 – 2008	St. Maria Goretti Senior Secondary School, Katende.	Uganda Certificate of Education (U.C.E).
2001 – 2004	Bat Valley Primary School.	Primary Leaving Examination (P.L.E).

## COMPUTING SKILLS AND KNOWLEDGE:

**Software:** Proficient with Microsoft Office Packages like Microsoft Word, Microsoft Excel, Microsoft Access and Microsoft PowerPoint, Internet Explorer, Mozilla Firefox, Microsoft Visio, Outlook Express, MySQL, MySQL Server, SQL server, NetBeans, Eclipse, Visio Studio.

**Hardware:** Servers, Gateways, Switches, Network Adapters, Routers, Hubs, Printers.

**Operating Systems:** Windows XP, Vista, Windows Server 2003, 2008, 2010, Linux (Ubuntu), Macintosh Operating System.

**Languages:** C, C sharp Java, JavaScript, Hyper Text Mark Up Language (HTML), Cascading Style Sheets (CSS), HyperText Preprocessor (PHP).

**Technologies:** Global System for Mobile Communications (GSM), General Packet Radio Service (GPRS), Hyper Transfer Protocol (HTTP), Simple Mail Transfer Protocol (SMTP), File Transfer Protocol (FTP), Domain Name System (DNS).

**Technical Skills:** Project Management Skills (Risk Management, Project Execution and Monitoring, Configuration Management, using project management tools like the Gantt chart, PERT chart and the Resource Histogram), Information Technology Support, Database



Management, Internet Technologies (HTTP, SMTP, FTP, DNS), designing flow charts and pseudocode, knowledge in networking, software integration skills and troubleshooting.

### **LANGUAGES:**

<b>LANGUAGE</b>	<b>LEVEL OF FLUENCY (WRITTEN)</b>	<b>LEVEL OF FLUENCY (SPOKEN)</b>
English	Good	Good
Luganda	Good	Good

### **HOBBIES:**

- Touring places
- Playing football
- Playing video games
- Reading Newspapers
- Watching Movies
- Watching football
- Socializing with friends
- Computing

## **REFEREES**

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