

# Victor Kakama

## AREAS OF EXPERTISE

*Java, groovy, python,  
C#, shell  
scripting, php, C, JavaScript  
and basic knowledge in C++  
OpenSceneGraph.*

*PostgreSQL, Mysql, Microsoft  
Access (Databases)*

*Xml, Html, SVG (Scalable  
Vector Graphics),*

*Computer repair and  
maintenance*

*Operating Systems; Windows  
and Linux.*

*Knowledge in Network design,  
implementation,  
troubleshooting and  
Administration*

## PROFESSIONAL

*Bsc, Computer science,  
Makerere University*

*Certificate in Software  
Engineering  
Makerere University*

*CISCO certificate*

## PERSONAL SKILLS

*Problem solving*

*Result oriented*

*Ability to Multitask*

*Good communication skills*

## PERSONAL DETAILS

*Kakama Victor  
P.O Box 23833  
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E: vkakama@omnitech.co.ug  
Nationality: Ugandan*

## Technical Director – Support & Services

### PERSONAL SUMMARY

Victor is a versatile and professional software developer with over 6 years' experience. Victor has developed many software solutions using a variety of platforms like; C, Java, Python, C#, Microsoft Visual Basic.Net, PHP, JavaScript, Shell scripting, Heitml Cascading Style Sheets and many others. His experience in developing innovative and creative software solutions has highly contributed to his ability to easily and successfully perform a full software development life cycle.

### WORK EXPERIENCE

#### OMNI TECHLIMITED

SOFTWARE DEVELOPER 2011 – Present

Working with the Omni Tech team to develop solutions & provide software support services to clients. He takes a lead role in ensuring that company products and services meet customer expectations.

- Working as part of the technical development team in the development of company products and services.
- Monitoring and reporting usage and performance against defined Service Level Agreements
- Take lead in release management of new products and services.
- Monitor project development cycle and provide advice on progress against set targets.
- Manage all technical services provided by the company
- Conduct domain research on trends associated with the service domain.
- Developing and testing solutions.
- Ensuring accuracy of output on business critical systems.
- Designing, developing, testing & configuring for a custom pre-authenticated scenario.
- Working on systems maintenance patches and data fixes.

#### Digital Solutions ltd

SOFTWARE DEVELOPER 2008 - 2010

Worked as part of a team of software developers to develop a range of software products. Developed and maintained the Baraza-a mobile XMPP chat client. Provided customer support services for Butterfly-an application for internet cafe user management.

#### DEPARTMENT for PROFESSIONAL SKILLS DEVEOPMENT – Makerere University

SOFTWARE DEVELOPER 2010 - 2011

Working with other developers to build technical solutions & complete projects to budgetary and quality requirements. Also involved in requirements gathering, demonstrating software prototypes, technical sales presentations, customer training.

## SELECTED PROJECTS UNDERTAKEN

<b>Project Name/Year</b>	<b>OpenXdata (<a href="http://www.openxdata.org">http://www.openxdata.org</a>) / 2009-2012</b>
	University of Bergen
<b>Main project features:</b>	OpenXData is an open source system for data collection based on Xforms standards. Data is collected using mobile phones, browsers and PDA then uploaded to the server using Bluetooth, http or binary SMS.
<b>Technologies used:</b>	Google Web Toolkit, Hibernate, Spring, Liquidbase, Java Enterprise Edition, J2ME, Xforms
<b>Activities performed:</b>	<ul style="list-style-type: none"> <li>• Developed an automated test for liquibase</li> <li>• Developed the admin interface for openxdata(Dashboard)</li> <li>• Part of the team that developed Openxdata server</li> <li>• Extended Ecollect to allow workflow support</li> <li>• Fixed and enhanced features in purcforms(a form designer for Openxdata)</li> </ul>
<b>Project name / Year</b>	<b>Developing a Conflict Monitoring System for KRC</b>
<b>Client:</b>	<b>Kabarole Research and Resource Centre (KRC)</b>
<b>Main project features:</b>	Developed a system to capture information by SMS and smart phones. Information is accessed via a web browser by KRC staff in form of maps, tables and graphs.
<b>Technologies used:</b>	<ul style="list-style-type: none"> <li>•OpenXData – an open source generic mobile data collection tool <a href="http://www.openxdata.org">http://www.openxdata.org</a></li> <li>•Google Web Toolkit, Hibernate, Spring, Liquid base, Java Enterprise Edition, J2ME, Xforms, Jasper reports and Grails(groovy on rails)</li> </ul>
<b>Activities performed:</b>	<ul style="list-style-type: none"> <li>• Developed an SMS component for sending and receiving sms.</li> <li>• Generate Data management Forms.</li> <li>• Created User management module</li> <li>• Programmed complex forms with tables and validation logic for data collection on mobile phones</li> </ul>
<b>Project name / Year</b>	<b>Program for Improved Nutrition (RECO) Project –2013-May 2014</b>
<b>Client:</b>	RECO USAID
<b>Main project features:</b>	Designed and developed a data collection and analysis, tool for the production for improved nutrition program. Data is collected using offline web browsers and mobile phones from rural communities and health centers.
<b>Technologies used:</b>	<ul style="list-style-type: none"> <li>• Grails an Open Source, full stack, web application framework for the Java Virtual Machine (<a href="https://grails.org/">https://grails.org/</a>)Gorrve</li> <li>• OpenXData</li> <li>• Google Web Toolkit, Hibernate, Spring, Liquidbase, Java Enterprise Edition, J2ME, Xforms, Groovy, Jasper reports, Google visualization</li> </ul>
<b>Activities performed:</b>	<ul style="list-style-type: none"> <li>• Created a dynamic bridge to connect OpenXData to other systems</li> <li>• Integrated Kenga with the system REST interface</li> <li>• Modify submission context on Kenga for direct submission to the system</li> <li>• Programming mobile phone client for data collection</li> <li>• Creating graphical and tabular reports for indicators</li> </ul>
<b>Project name / Year:</b>	<b>ARK-PEAS school monitoring system</b>
<b>Client:</b>	ARK and PEAS
<b>Main project features:</b>	Develop a Monitoring tool for 10 schools that are implementing a UK-based charity ARK-PEAS programs in Uganda.
<b>Technologies used:</b>	<ul style="list-style-type: none"> <li>• Grails</li> <li>• Google Web Toolkit, Hibernate, Spring, Liquidbase, Java Enterprise Edition, J2ME, Xforms, Groovy, Jasper reports</li> <li>• OpenXData</li> </ul>
<b>Activities performed:</b>	<ul style="list-style-type: none"> <li>• Created a module for School information management.</li> <li>• Developed a reporting module to monitor teacher and pupil attendance and absenteeism.</li> <li>• Created a bridge between Dashboard and OpenXData through REST API.</li> <li>• Created a module for importing and exporting data to excel.</li> <li>• Develop an activity monitoring tool that monitors pupil and teacher performance, together with student performance in schools.</li> </ul>
<b>Project name / Year:</b>	<b>Mobile for Improved safe Water access (M4W) / 2011-2012</b>
<b>Client:</b>	SNV Netherlands Development Organisation (Uganda), Water Aid. IRC

<b>Main project features:</b>	Developed a user interface for viewing data collected from water points. A GIS application to view data collected on maps and public website <a href="http://m4water.org/">http://m4water.org/</a> .
<b>Technologies used:</b>	Google Web Toolkit, Hibernate, Spring, Liquidbase, Java Enterprise Edition, J2ME, Xforms, Groovy, Jasper reports.
<b>Activities performed:</b>	<ul style="list-style-type: none"><li>➤ Database development.</li><li>➤ User interface design</li><li>➤ System integration</li><li>➤ Website development.</li></ul>