Joseph Kaweesi

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Work experience

OpenMRS (USA)   Oct 2020 — Present

Part time Contract: Fellowship Mentor

- **dev/5** (Lead Developer)
- QA fellowship mentorship
- Patient Level Indicator Reporting (PLIR) Project leadership
- Mentorship of OpenMRS fellows on PLIR

OpenMRS (USA)   Nov 2019 — Present

Part time Contract: Quality Assurance Test Engineer

- Writing a community QA framework
- Co-ordinating, reviewing etc community feedback and contributions
- Mentoring Qa Team
- Qa project management for a number of teams such as OCL, Reference Application 2.x & 3.x etc

Avvento Media LTD   2017 — Present

Founder, Director, Software Engineer & Broadcasting Manager

More info at: http://avventomedia.org

- Manages broadcasting for AvventoRadio and 3ABN TV (Uganda).
- Wrote **AvventoRadio** streaming android application.
- Wrote **Telefyna**, an android online and local application for scheduling and broadcasting audio and video for TVs and radios.
- Wrote **MySDAInterless** file TV streaming android app used by 3ABN running in thousands of homes, prisons, hospitals etc.

VecnaCares (USA)   Jan 2020 — Feb 2020

Part time Engagement: Senior Software Engineer

- Wrote an all data migration report
- Wrote a number of data visualisation tools on the clinician view dashboard

Jembi Health Systems NPC (South Africa, Rwanda, Lesotho, Mozambique)   Oct 2018 — Oct 2019

Job: Senior Software Developer

- Mozambique country EMR (EPTS) development and support
- Médecins Sans Frontières (MSF) OpenMRS distribution development and support
- Regional Action for Data (RAD) cross boarder Immunisation springbot server and android apps development and

implementation support
- Led technical trainings on OpenMRS development and configuration for ICAP Lesotho developers

University of Washington & I-TECH (Haiti)   July 2016 — Sep 2016
Contract: Consultant & Software Developer (iSantePlus)

- Lead consultant for the first deliverable of IsantePlus which is the emerging National Haitian EMR and is a migration from the legacy Isante PHP EMR to OpenMRS
- Training and leading existing Haiti I-TECH developers in OpenMRS development
- Creating Patient Dashboard System Requirements and designs
- Remote technical recorded support and training to kick-start I-TECH Haiti developers towards OpenMRS development
- Improvement of iSantePlus Standard Operating Procedure (SOP)
- Setting up thebuggenie.com for issue tracking all through the project and day today support and maintanance for this introduced new tool
- Attending technical meetings to plan development and responding to emails for support
- AWS/online test server configuration
- Code review for I-TECH Haitian developed code
- Development of several iSantePlus software pieces;
    - Growth charts
    - Configurable UI customisations
    - Visit's form history
    - Patient's form history
    - Weight & BMI graph on patient dashboard
    - ISantePlus most recent patient Vitals re-development
    - Drugs and Lab history
    - Improvement and packaging of IsantePlus forms
    - Chart Search module support
    - All these features installable through one OpenMRS module; https://github.com/IsantePlus/openmrs-module-isanteplus
- Extended email support after the contract

Jembi Health Systems NPC (South Africa)   Nov 2015 — Sept 2018
Job: Software Developer

- openhim.org development
- opencrvs.org immunisation app development
- hearth fhir server development
- OpenMRS Development
- OpenMRS - DHIS Connector Module Development
- DHIS2 Configuration
- Business Process Development and User Requirements estimations
- Training and supporting Rwanda Biomedical Centre (RBC) and Ministry of Health (MoH) technical teams/staff and Upgrading Rwanda EMR Platform both In-country and remotely
- Developing EMR System Monitoring Tools (Involved Shell Scripting)
- Development, Support and configuration of Rwanda School of Public Health(SPH)/CDC Study Reports and Tools
- Development of a cross platform overall OpenMRS System Monitoring Module usable through all the community
- Both in-country and remote support to Rwanda Biomedical centre, Ministry of Health and Rwanda school of public Health technical staff (implementer's and developers)
- Development of a DHISConnector OpenMRS module: https://github.com/jembi/openmrs-module-dhisconnector
- Development of an OpenMRS System Monitor module: https://github.com/jembi/openmrs-module-systemmonitor

OpenHMIS Africa (Kenya)   August 2015 — September 2015
Contract: Remote Programmer/Developer

- Resolved a number of issues for OpenHMIS cashier, inventory etc modules
- Supported Rest + Angular + Groovy Server Pages (GSP) for several pages originally rendered using BackboneJS

& Java Server Pages (JSP)
- Did some few BackboneJS code contributions
- Daily Stand-ups (Updates) on OpenHMIS HipChat General Chat Room
- Producing weekly work-time sheets to have my payments processed
- Code Review using upSource software

OpenMRS   Aug 2014 — Present
Voluntary: OpenMRS Guide

- Remotely collaborate with contributors world wide to get them started with openmrs
- Pair programming on some tasks
- Responding to help-desk's issues from contributors starting with OpenMRS
- Mentoring newbies starting with openmrs.
- One of the Ugandan OpenMRS 2016 Implementer's or conference organiser
- Uganda EMR Training of Trainers Facilitator

OpenMRS   August 2015 — Dec 2015
Voluntary: #OMRS15-Hackathon Lead

- Hackathon Dates: 13 - 14 December 2015
- Venue: Singapore
- URL: https://talk.openmrs.org/t/welcome-to-the-omrs15-hackathon/3231
- Contacting community members and OpenMRS distributions/partners for hackathon projects suggestions
- Proceeding with plans and conferencing about making the hackathon successful with OpenMRS leaders
- Creating a volunteers hackathon leadership team to oversee its success
- Setting up a hackathon platform at: http://omrs15-hackathon.devpost.com/ after conferencing with Richard Murby (DevPost colleague)
- Working with the teams towards a successful and beneficial hackathon to the OpenMRS community mission
- Working with OpenMRS leadership for the event logistics
- Working with the hackathon judges and finally gifts giving

OpenMRS   March 2014 — April 2015
Voluntary: OpenMRS Platform 1.11.x Release Manager

- Curating and going through tickets labelling, grouping, follow up to remind assignees et-cetera
- Doing some code reviews and merging into 1.11.x upstream branch using git
- Leading test sprints prior to the alpha and beta releases.
- Coming up with release dates and lead out in getting contributors to work towards them.
- Attending OpenMRS developer, design, maintenance and university calls
- Setting up a remote openmrs instance or test server / Remote linux server administration.
- Jira issues Administration
- Organizing and mobilizing Release for OpenMRS 1.11.x Bundled Module (Rest WebService)
- Releasing 1.11.0-Alpha, 1.11.0-Beta, 1.11.0, 1.11.1, 1.11.2
- Publicly announcing to the whole world about the above releases through http://openmrs.org etc

Google, OpenMRS   2018 — Present
Mentorship: Google Summer of Code

- Student's project mentorship

Google, OpenMRS   2016 — Present
Mentorship: Google Code In

- Student's project mentorship

Google, OpenMRS   Jan 2017 — Sept 2017

Project Administrator: Google Summer of Code

- Being OpenMRS's contact person with Google
- Students and mentor's administration

Google, OpenMRS   May 2015 — August 2015
Internship: 2015 Google Summer of Code(GSoC) Student w/OpenMRS

- Some similar accomplishments as described for GSoC 2014 below
- Released OpenMRS 2.x chartsearch module versions 1.4 & 1.4.1
- Successfully finished Google Summer of Code 2015 program

Google, OpenMRS   May 2014 — Aug 2014
Internship: 2014 Google Summer of Code(GSoC) Student w/OpenMRS

- Working online on ChartSearch module for OpenMRS reference application
- Collaborating with mentor, reviewers and the openmrs community at large for module improvement.
- Setting up remote openmrs instance with chartsearch module / Linux remote server administration
- Releasing 1.0 and 1.1 versions of the chartsearch module.
- Passing both GSoC mid-term and final evaluations.
- Successfully finished Google Summer of Code 2014 program.

OpenMRS   Feb 2015 — May 2015
Voluntary: OpenMRS Kampala events organizer

- Events Organization and planning
- Working with ThoughtWorks (our hosts) pals in Kampala for the organization and processions of the events
- Google Summer of Code meet-ups at several universities after the first event
- Spreading information about GSoC, OpenMRS and open source at-large
- Soliciting for and distribution of Google open source promotional items

Freelancing (Remote)   March 2012 — Present
General (Contract and Voluntary)

- University of Lay Adventists of Kigali (UNILAK) Server setup and configuration for https://moodle.com installation
- Consistent Java Programming, HTML, CSS, Javascript (jQuery)
- PHP Development
- Android Development
  - 3ABN MySDA interless android app
- Remote Linux System Server Administration
- Remote conferencing
- Remote monitoring and reviewing Commits/Code.
- Developed a number of PHP based dynamic websites for some companies in Uganda
- Wordpress hacking

Bugema University , SL Hostel   Jan 2013 — May 2015
Job: Male Student's Hostel Custodian/Manager

- Developing Hostel's online tool/website and administering it
- Student's leadership/coordination
- Counselling fellow students and organizing such sessions and inviting qualified and experienced counselors
- Managing Hostel's finances and assets
- Chairing public Meetings with at-least 130 student residents.
- Mentoring other employees.
- Managing (including financially) all other human resource (employees)

- Working together with Civil authorities/Police station in the area for security purposes
- Working together with the university student's affairs department and business offices
- Supervising hostel's renovations and new inventions

Bugema University   Nov 2012 — April 2015
Voluntary: Public Community Wholistic Health outreach

- Public health sensitizations in the near-by communities, schools, orphanages et-cetera.
- Leading public seminars on diseases/health education, Sanitation, Nutrition, Exercise, Air, Sunshine, Rest, Abstemiousness, Trust in Devine power, Water among other subjects.
- Demonstrations on natural remedial agencies both curative and preventive.
- Working together with medical doctors and nurses for public free medical checkups and treetment

Qualifications

Graduate, Bachelor of Science in Software Engineering & Application Development (1st Class)

Education

Bachelor of Science in Software Engineering & Application Development   Aug 2012 — 1 Nov 2015
Bugema University, Uganda

- First class graduate

Upper/College & Lower Secondary And Primary Studies   1998 — 2011
College & Primary

- Examination For The Uganda Advanced Certificate of Education - U.A.C.E Result 5, Grade Aggregate 19 in Physics, Maths, Economics and F/Art (2010 - 2011)
- Examination For The Uganda Certificate of Education - U.C.E Result 2, Grade Aggregate 33 (2006 - 2009)
- Results For The Primary Leaving Examinations - P.L.E Result 1, Grade Aggregate 12 (1998 - 2005)

Certifications

- Google Summer of Code mentor's certificates (since 2017)
- Google Codein Mentor certificates (since 2015)
- Google Summer of Code 2015 completion certificate (student)
- Bugema University IT Day Project presentation, 16 April 2015
- Google Summer of Code 2014 completion certificate
- Certificate of Course Completion - CCNA Discovery: Networking for home and small Businesses
- Certification of Participation - Bugema University Wholistic Health Program

Conferences & Presentations

- Mini OpenMRS online implementer's conferences 2021
- DHIS 2 Digital annual online conference 2021
- IHE Europe connectathon: https://connectathon.ihe-europe.net/connectathon/ihe-europe-experience - June 15th 2021
- OpenMRS implementer's online conference 2020
- OpenSource Festival Feb/2020 (festival.oscafrica.org) in Lagos Nigeria (I shared on GSoC panel and was funded

by Google)
- OpenMRS implementer's conference Dec/2019 in Maputo Mozambique (I was funded by OpenMRS)
- ict4dconference.org April-May 2019, Kampala (I was funded by digitalimpactalliance.org)
- OpenMRS implementer's conference dec/2018 in Nairobi Kenya (I was funded by OpenMRS)
- Opensource summit Europe 2018 in Edinburgh from 10/22/2018 to 10/24/2018 (I was funded by linux foundation scholarship)
- OpenMRS implementer's conference dec/2017 in Lilongwe Malawi (I was funded by OpenMRS)
- OSCON 2017 in Austin Texas USA (I was funded by O'Reilly scholarship and OpenMRS)
- GSoC 2017: Mentor Summit in Silicon Valley, USA (I was funded by Google and OpenMRS)
- Uganda openmrs implementer's conference 2016 in Kampala (I was funded by OpenMRS)
- Uganda EMR Training of Trainers 2016 (Facilitated sessions)
- OpenMRS first (2015) World wide Summit in Singapore (I was funded by OpenMRS)
- OpenMRS Leadership camp in Indianapolis, USA from 28 to 30 Nov 2015 (I was funded by OpenMRS)
- Mozilla East Africa Festival in Kampala, Uganda from 17 to 19 July 2015
- OpenMRS Meetups - Kampala 23 April && 12 March 2015
- Uganda Universities students training for OpenMRS in Kampala
- OpenMRS implementer's meeting in Maputo from 27 Jan to 1 Feb 2015 (I was funded by OpenMRS)
- Bugema University Google Seminars in Late 2013 and early 2014
- Bugema University Business IT seminars 2013, 2014, 2015
- Bugema University Health Training in Sept 2013
- Orange Community Innovation Awards 2013 contest Demo

Proficiencies

Programming Languages/Technologies: Java SE, Java EE, JSP, GSP, Java Servlets, SQL, PHP, C, Shell Scripting, JavaScript (jQuery, JSON), XML, XHTML, HTML 5, CSS, Visual Basic, coffeeScript, ruby, groovy ...

Frameworks and Libraries:J2EE, Spring Framework, Spring MVC, jQuery UI, Hibernate, Solr/Lucene, JUnit, Android, JDBC, Liquibase, AngularJS, BackboneJS(basic), lombok, spotless, Springbot, retrofit and volley, exoplayer, nodejs, rearct, robotium, espresso, barcodescanner, fdroid, apache camel, apache kafka, debezium, eventbus

Big data: pentaho data integration

Application Servers: Apache Tomcat, Apache Web Server, Xampp, Nginx...

Databases: MySQL, SQLite, MS SQL Server, Microsoft Access, ...

Content Management Systems: Wordpress, ...

Issue tracking Systems: JIRA, YouTrack, thebuggenie, asana

Version Control Systems: Git, SVN

Collaborative Tools: IRC, Email, OpenMRS talk, Mailing lists, HipChat, UberConference, Adobe Connect, Google Hangouts, OpenMRS Desk, slack, Github, Gitlab, TheBuggienie ...

Other Tools: Eclipse IDE, SpringSource Tool Suite, Ant, Maven, Gradle, MS Office Suite, Libre Office, Visio, MS Visual Basic, Netbins, Bamboo Continuous Integration, Normal OS tools like Web browsers, ansible, docker, intellij idea, filezilla, codacy, travis etc, ...

Operating Systems: GNU/Linux (Centos, ubuntu, mint); DOS; MS Windows XP/7/8/10; Mac OS X, Android, IOS

Software Engineering: Object Oriented Analysis and Design, UML, Design Patterns, Refactoring Patterns, Unit Testing, Integration Testing, Continuous Integration, Big data (integration & migration)

Spoken Languages : English (fluent), Luganda (mother tongue), Swahili (very basic)

Countries Lived In : Uganda (home), Kenya , Tanzania, Mozambique, USA, Singapore, Rwanda, UAE, SriLanka, Ethiopia, Belgium, Turkey, SouthAfrica, Malawi, England, Scotland, Nigeria...

Personal Qualities :

- Highly motivated, positive, oratorical, committed, enthusiastic, confidential, honest, principled, persistent and organised.
- Good analytical approach of viewing subjects.
- Good in writing and public speaking.
- Working within a stipulated timeline and taking up robust research doing whatever it may take me to finish tasks within the timeline.
- Improving randomly in mentoring skills.
- Willingness and ability to quickly learn new technologies whenever needed.
- Values principle, acts in it's line and values perfect christian Biblical virtues.

Interests

Spiritual engagements/Missionary work aka ministry, Programming, Riding, Reading/Research

References

Mr. Wayne Naidoo, Senior Program Manager, Jembi Health Systems
Email: wayne@jembi.org

Mr. Kayiwa Daniel, OpenMRS' Senior Full Committer Developer
Email: dkayiwa@openmrs.org

Mr. Michael Downey, Worldwide OpenMRS community's Manager
Email: michael@openmrs.org

Stephanie Taylor, Google Code In Manager
Email: sttaylor@google.com

Carol Smith, Open Source Programs and Community Manager, Google Summer of Code
Email: carols@google.com

Mr. Wes Brown, OpenHMIS Africa
Email: wes@weslandia.org

Mr. Lubwama Godfrey, SL Hostel Bugema's C.E.O
Email: lubsgod@yahoo.com

Dr. Mars Sigue, Coordinator of Bugema University Wholistic Health Program
Email: siguemars@gmail.com

Endorsements

Michael Downey, OpenMRS' worldwide Community Manager early 2016 (linkedin);
"Joseph is one of my favorite OpenMRS contributors. He's always looking for new ways to make a difference and help others, and I really admire his positive attitude! Although he missed his first chance at working with OpenMRS in Google Summer of Code 2013, he stuck around our community, learning and helping others until 2014 when he participated as an

excellent student. After that, he eagerly volunteered to be our Platform 1.11 release manager, taking on work that is often tedious and thankless. Well, it's thankless no more because I for one really appreciate all he has done for OpenMRS and our fellow community members. Thank you, Joseph!"