ABWAO DONATUS OMONDI

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Summary

Outstanding Web and Mobile Software Developer talented with proven expertise in object oriented analysis and design and exceptional record in overseeing all facets of Project Development, from analysis, design, testing to implementation and maintenance.

Skill Summary

- Agile web development (full stack)
- Android Development
- Security analysis and monitoring
- Data warehousing and analysis
- Data management
- AWS, Firebug
- ODK, Survey Monkey

- Java & PHP OOP, Ruby,JS, JQuery, Ajax, Angular JS, XML
- Java &PHP   Yii Framework
- My-SQL, Postgre SQL, Oracle
- Centos, Redhat, Ubuntu, Windows Administration
- Vmware,   SPSS, R

Work Experience

Jaramogi Oginga Odinga University University of Science and Technology
                                                        2016 – Current

E-Learning Platform Specialist

E-Learning Platform Development and Management

A University Learning management system with all course management features integrated with email system, SMS, Mobile applications and track management system.

Tasks:

- User requirement gathering, analysis, design, testing, implementation and maintenance for web application, mobile application on android, ios and windows mobile.

- Integration with SMS gateway for real time notification of Students, Lecturers and other members of Staff.

- Training both Lecturers, Students and Members of Staff on use of platform and ensuring they are adequately trained and comfortable with use of the E-Learning platform for both web application and mobile application on android, ios and windows mobile.

- Working with Lecturers and members of staff to ensure content is developed to the required Open and Distance Learning (ODEL) standard and in a timely manner as scheduled.

- Providing the necessary technical user support for all course creators, students and other facilitators to ensure successful learning.

- Assisting in other faculty based tasks as requested including teaching, laboratory session facilitation and other emerging practical work as required by the Faculty of Informatics.

- Setup of google classroom, enterprise google email addresses and skype for business for electronic learning sessions.

- Documentation of user guide, technical guide and administration guide for continuity for user based training.

- Setup, training, support and maintenance of an E-Learning repository server.

- Setup, training, support and maintenance of an E-Learning email server.

Research Profile at Jaramogi Oginga Odinga University of Science and Technology

1. Baseline survey to determine the level of preparedness of Students, Lecturers and Management in adopting a Technology Enabled Learning

Tasks:

- Developed questionnaire and stratified according to three levels as indicated above, (Students, Faculty and Management) to gather their input that informed data that was analyzed using the following statistical models

- Planned meetings and sessions to with Members of University Board of Management, Lecturers and Students to discuss the study and train them on the questionnaire.

- Participated in survey and data collection.

- Analyzed data and studied how the findings would improve the technology preparedness of the University.

- Report documentation and narrative structuring to give the actual picture of the level of preparedness by the university to adopt a technology Enabled Learning: a copy of the report available on the following link: http://oasis.col.org/handle/11599/3096

2. University ranking report (An investigation on the strength on the university using secondary data as it is ranked by various actors while considering their methodologies to not only give the true picture of their quantifiable characteristics but to additionally present the status of the university as it is and recommending appropriate initiatives to improve where we are.)

Tasks:

- Collecting secondary data from actors in the ranking sphere while taking into consideration their methodologies applied in each case.

- Combining data from institutional rankers with data from other academic websites that inform the characteristics used by the actors for analysis.

- Analyzed the data, documented and recommended the appropriate course of action to improve the university's ranking.

3. Implementation of Community Currencies: (A community currency and survey server set up to support a DANIDA funded two year project (Grassroot Financial Innovation) which investigates the usage of community currency in Kisumu, Kibuye Market.)

Tasks:

- Server setup and hardening for two servers to ensure both resources are accessed and secured.

- ODK Aggregate server setup for survey, enhancement and form digitization for readiness of online questionnaire.

- Enhancement of the questionnaire forms and configuration on the already setup server.

- Training of data collectors and data managers on use of the platform.

- Setup of USSD community currency server running on Centos, AWS web services implementing cyclos sprint for community currencies for Kibuye Market.

- User support and training on use of community currency system.

Senior Software Engineer   2013 – 2016

TechnoBrain IT Consuting Kenya – Nairobi, Kenya

LifeLine / ChildLine Namibia:

A UNICEF funded project to implement an integrated and automated Namibia's National Counseling database, known as Case Management System. The objective of this project was to automate and integrate reporting cases of Child Abuse and child related cases, Gender based violence, using a telephone based professional counseling into a real-time and electronic workflow of data for case Management.

- Analyzed user requirement and led the software development team to design the application for testing and on-site deployment.

- Set up infrastructure (Centos server setup which powers Asterisk, open source PBX, MySQL: database, Apache: web server and Kannel: WAP and SMS gateway),

- Deployed and enhanced application, running on MySQL Backend database, PHP5, Javascript(JQuery and ajax) and CSS3 on the front end. Integrated with asterisk, Kannel SMS.

- Developed shell script applications to automate certain system workflow components that needed real-time processing.

- Managed the project plan to ensure the implementation is within the scope of work as signed in the Functional Requirement Document.

- Produced and updated product deliverables and general documentation within set deadlines and quality standards.

- Identified and managed project risks and issues across various dimensions e.g. people, process and technology e.t.c

- Identified and secured resource requirements, optimized project delivery in terms of cost, time and people without compromising overall objectives.

- Managed the project related service contracts with both internal and external service providers.

- Coordinated and managed the cross-functional teams involved in the project - led project status meetings, led trainings in 6 network regions (Windhoek, Ondangwa, Oshakati, Oshikango, Rundu and Rehoboth).

- Implemented ICT quality processes and project methodologies and carried out any other related task as necessary i.e. customer support within Lifeline/Childline Namibia fraternity including members of the organization within the network regions.

- Ensured Consistent engagement with stakeholders and follow-through on outlined activities to completion.

- Documented and shared lessons learned with relevant system users and teams (other developers and analysts)

ChildLine Uganda:

An ongoing project, the Case management system for the National Counseling database of Uganda. Majority of the Tasks here involved maintenance and enhancement of the old version of Case management system.

Tasks:

- Service relocation (re-deployment of already existing setup)

- Reconfiguration of CRM, Call manager, Kannel and Zimbra.

- Backup and application reporting   automation

- Application system debugging

- User training and support

- Enhancement execution while making sure within the scope of Enhancement requirements.

ChildLine Ghana:

A project funded by UNICEF to implement the integrated Case management system for the National Counseling database of Ghana in one counseling center which manages the National tool free line for reporting Child abuse cases, gender based cases and telephonic counseling.

Tasks on site

- Infrastructure setup (Server, Clients, live call setup) (Centos server setup which powers Asterisk, open source PBX, MySQL: database, Apache: web server and Kannel: WAP and SMS gateway),

- Application deployment and enhanced application, running on MySQL Backend database, PHP5, Javascript(JQuery and ajax) and CSS3 on the front end. Integrated with asterisk, Kannel SMS.

- Documented user guide, technical guide and administration guide

- Project plan management to ensure the implementation is within the scope of work as signed in the Functional Requirement Document

- Conducted user training on site and online

- Coordinated, facilitated and documented service level agreements with external providers to ensure system dependent services are working

LifeLine / ChildLine Zambia:

An ongoing project, the Case management system for the National Counseling database of Zambia which manages an integrated toll free line used for reporting Child abuse cases, gender based issues and telephonic counseling.

- User documentation and training on site and on satellite stations; Lusaka and Copper Belt

- Server updates to ensure the application system is updated

- Application debugging

- Executing enhancement requests made to reflect changes

- System report automation (Shell scripts to automate reporting)

- SMS integration with the existing system

- Managed application service dependencies and external service provider's scope and service levels are documented and updated for efficient service operation.

Amref Tanzania(MIVR):

A USAID funded project to implement a maternal integrated database of Calls and SMS to power text based advisory services and emergency support to expectant mothers. The task

involved continuous maintenance of Interactive Voice Response System (MIVR) with automated SMS integration and patient registration from Community Health Workers using mobile devices.

Tasks Onsite

- Coordinating project team activities and solving project related issues with complex enhancements.

- Managed and documented service maintenance agreements with internal providers and service level agreements with external providers.

- Implemented ITC quality processes, project methodologies and best practices

- Orchestrated the technical updates required for efficient application system operation and debugging.

Web Consultant 2010 – 2012

Tadmore Consulting Limited – Nairobi, Kenya

- Prepared detailed reports concerning project specifications and activities
- Consulted regularly with customers on project status, proposals and technical issues
- Stored, retrieved and manipulated data for close analysis of system capabilities
- Modified existing software and websites to correct errors, upgrade interfaces and improve performance

Education

Jaramogi Oginga Odinga University of Science and Technology

2017 – Current

Masters of Science in Information Technology Security and Audit

Kabarak University   November 2009
Bachelor of Science, Degree in Computer Science

African Advanced Level Telecommunications Institute   November 2008
IT. Essentials

Referees

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