



Project Progress Report

Prepared by HD-Resources

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Project Details

The AfriChild Centre generates research that contributes to the evidence base to improve the lives and wellbeing of the African child. It does this in collaboration with the public and private sectors, academia and civil society. Africhild's vision is to create a world where society invests well in children as a key element of sustainable Development.

AfriChild's goal was to create information systems that would automate key organizational processes. Human Resources, Knowledge Management, Data Analytics and Reporting, Project Management, and Inventory were among the processes that required automation. AfriChild contracted HD-Resources LTD to undertake the task of developing this organizational automation infrastructure.

HD Resources LTD

HD-Resources LTD is a custom software development company with over 10 years of proven experience located in Ntinda Opposite UNEB Plot 5, Kasumba Circular Road, Kampala, Uganda that specializes in providing complete software design and development services.

HD-Resources LTD delivers the best-in-class custom software solutions, elite software development teams and innovative cloud software to enterprise businesses and organizations across numerous industries. HD-Resources Ltd was established in March 2010 with diverse ventures such as software development, procurement and supply.

Current State of Progress

HD-Resources LTD used an agile and prototyping approach to software development to effectively design and test the above-mentioned information system. These information systems have been implemented, and the maintenance and user training stages will begin soon.

User requirements collection

On multiple occasions, AfriChild and HD-Resources had meetings in which user needs were thoroughly explored and different prototype versions of the systems were shown. AfriChild and HD-Resources were able to identify the critical operation properties of the required information systems, and as a result, an agreement was reached to deploy the final prototypes and begin support and training, during which AfriChild team members are trained in detail on how to use the above-mentioned systems while also providing feedback for further improvement.

System development

HD-Resources began technical development of the information systems after gathering all of the user requirements. All of the information system's components were created as web apps that operate on the internet and are completely compatible with all browsers, with the exception of MS Internet Explorer 8 and lower, which are no longer supported. The information system was created utilizing the most up-to-date web technologies and standards, as well as a prototype software development technique with hybrid agile qualities.

System deployment and sustainability.

According to the contract's terms, HD-Resources will continue to support, scale, and maintain the information systems in terms of their technical feasibility and well-being. All of the systems are now running on AWS EC2 instances with reverse proxies running Ubuntu server and Apache2 (the website uses Nginx), and the main database system is MySQL. However, the major MIS component relies heavily on SQLite for caching in addition to Redis.

Project activities pending completion

Activity	Description	Status
Training and Capacity Building	Training of AfriChild Staff to operate and maintain the system	Pending
User support phase	Implementing final feedback that comes from the actual use of the systems as well as correcting any issues that come up.	pending

Completed development activities

Activity	Process Automated	Status
Human Resource Module	Human Resource	Completed
Knowledge Management system	Knowledge management	Completed
Project Management Module	Project Management	Completed
Reports and Analytics	Data analytics and reporting	Completed
Inventory management and Documentation	Inventory management	Completed
Payroll Module	Finance	Completed

Henry Mugumya | Executive director



