

Contact

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Top Skills

Engineering
Data Analytics
Programming

Chimwemwe Kachaje

Software Engineering Consultant

Lilongwe, Central Region, Malawi, Malawi

Summary

An innovative, creative outside the box thinker with a proven ability to learn new technologies fast as well as meet agreed upon deadlines. Focused on any task at hand and able to utilize existing technologies and experiences to come up with practical solutions to technological problems. Self taught software engineer able to work comfortably in most programming languages to create from user interface applications, server side solutions to machine interfacing drivers.

Experience

Andela

Full-Stack and DevOps Contracting Engineer

November 2020 - Present (5 years 1 month)

Self Employed

Software Engineering Consultant

September 2018 - October 2020 (2 years 2 months)

Malawi

Currently working on an Enterprise Resource Planning system for low resource settings that supports offline use with data stored on a central cloud when connection available. The software will use a subscription model where users can use features after subscription which can be renewed. The subscription will also cover cost for hosting data collected. The client application will run on mobile devices with low memory footprint. I have been working on the solution since 2018 and scheduled to roll the solution out by mid 2020.

The solution itself is a combination of multiple technologies and frameworks ranging from Java for Android Native programming, Flutter programming framework, Couchbase and Couchbase Lite for data synchronization, FHIR standard for health data exchange and several other modern technologies including Node.js running as part of the backend for the mobile app. On the cloud, data analytics tools running on Elasticsearch and Deep Learning

for machine learning will be used to study trends as data is collected for secondary use. Deep Learning models using Tensorflow lite will also be incorporated on the mobile devices to help in decision support as data grows.

Baobab Health Trust

Software Architect

March 2010 - March 2018 (8 years 1 month)

Education

University of Hertfordshire

Masters, MSc Business Strategic and Information Systems · (2014 - 2015)

NCC Education

Post Graduate Diploma, Strategic Business Information Technology
· (2013 - 2013)

NCC Education

Advanced Diploma, Data Processing - Information Technology · (2007 - 2007)