Shadrack Kioko

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GitHub: https://github.com/kiokoshedy
Portfolio: https://kiokoshedy.github.io/profile-sk/

Personal Statement

A passionate, adaptable and committed Software Developer who believes that today's problems can be solved with technology. I am therefore constantly exploring new technologies to strengthen and expand my skills in software development.

Software Applications
Highlight

Safaricom Daraja API Integration

This was a project to integrate Mpesa payments and online payments in our products like MEpesi App (an app for the PSV to enable passengers pay their fare in the goal of going cashless).

- I worked with team to develop using Java EE and I developed its frontend using JSF, and Primefaces framework for the dashboard.

AgriShop

This is an Android App which links customers buying agricultural products to farmers. It has a chat platform for customers to agree prices of various products with the farmers. MPesa STK Push also implemented for customers to pay for products online.
https://github.com/kiokoshedy/AgriShop

- Developed using Android-Java
- Firebase

Airtel-Africa Integration APIs.

This was a project to integrate Airtel Money payments and online payments in our products like MEpesi App (an app for the PSV to enable passengers pay their fare in the goal of going cashless) and for Retail. Implemented for both Kenya and Rwanda.

- Created its database in PostgreSQL.
- I developed its backend in Spring Boot and a frontend using Vaadin framework.
- Documentation done using Swagger.
- Projects deployed and running on the AWS gateway.

TKash integration

This is an ongoing project to integrate Telkom TKash payments and online payments in our products like MEpesi App (an app for the PSV to enable passengers pay their fare in the goal of going cashless).

- Created its database in PostgreSQL and currently ongoing with its development.
- Documentation done using Swagger.

MTT and KFT

Visa's Mobility and Transport Transaction (MTT) and Known Fare Transaction (KFT) framework is a project to create inclusive, seamless and ultra-efficient experiences, for

the customers and high transaction speeds allow riders to get in and out of public transit systems quickly and efficiently.

- Together with team we currently working on doing the integration to include this solution in our products to enable clients pay fare using their cards.
- We developed this using Spring boot and deployed on AWS.

Covid-19 Tracker
https://github.com/kiokoshedy/Covid-19_Tracker
This project I created an API that fetches data about Covid-19 cases all over the world and displayed using Thymeleaf frontend framework in real time.

Abu-arts
https://github.com/kiokoshedy/abu-arts
This is an E-commerce application for selling used bottle artworks. A user can view products, its details and prices and place orders online. It also supports online checkout using the Mpesa Express API. This is developed using React JS/Redux

Technical Skills

Languages and Frameworks

- Java
- Hibernate, JPA
- Spring and Springboot
- PostgreSQL
- Mysql
- ReactJS
- Primefaces
- Bootstrap
- HTML5
- CSS3

Tools and Environment

- Git and Github
- Linux
- AWS
- Command line
- Restful Apis
- IDE's: Netbeans, Intellij, VS Code

Employment History

Software Developer - Data Integrated Ltd
August 2019 - to Date
Achievements and Responsibilities

- Trained as a Software Developer Intern (for 3 months) working with various projects on payment service providers and later absorbed as a full-time Software Developer.
- Currently collaborating with other Developers at Data Integrated Ltd to to improve the speed and add functionalities of Data Integrated Ltd's projects i.e Safaricom Daraja api, Airtel-Africa Integration, TKash, Visa MTT, Tokenization integration, and developing a payments dashboard.
- Also collaborating with other developers to integrate Visa Tokenization.
- Collaborating with other developers to provide a National Transport system for Nairobi City. This system will track vehicles speed, location and its payment in the Nairobi City Council.

HR and ICT Intern – Water Resources Authority
Jan 2017 – June 2019
Achievements and Responsibilities

- I trained and worked as a Human Resource and ICT mainly doing database management and networking.

Freelance Developer
2016 – to date
Achievements and Responsibilities
- Providing Software development solutions to clients using various technologies i.e C++, C, Java, Python, JavaScript, HTML, CSS

Cyber Attendant – Jamtech Cyber
Jan 2015 – Oct 2016
Achievements and Responsibilities
- I was doing typesetting, computer maintenance, and networking.

Academic Qualifications

AWS Cloud Practitioner - AWS
October - to date
Certification: AWS Cloud Practitioner Certification

Google Africa Developer Scholarship - Andela Learning Community
27th July 2021 - to date
Certification: Associate Android Developer.

Meru University
September 2013 - April 2016
Certification: Bsc. Computer Science and Mathematics

Makueni Boys High School
February 2007 - November 2010
Certification: Kenya Certificate of Secondary Education

Mwailu Primary School
1997 to 2005
Certification: Kenya Certificate of Primary Education

Personal Skills

- I am quick learner ,highly adaptable individual who works well under pressure
- I am a team player, good communicator, who works well with minimum supervision
- Critical thinker with a keen eye for design
- Languages: Fluent in English and Swahili.

Referees

1. Francis Kiarie
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   Data Integrated Ltd.
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2. James Marwa
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   Data Integrated Ltd.
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