

## ROGERS MUDIBO

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### CAREER OBJECTIVE

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Dedicated and motivated Software Engineer with over 5 years of experience in building, integrating, and scaling software applications, application containerization and orchestration, client service, and application maintenance. I have also proven to be a team leader, team player and a mentor to my peers.

### Skill Highlights

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#### - Software Engineering Skills

Programming Languages: Golang, PHP, JavaScript

Frameworks: **Laravel, Vue**

Databases: MySQL, SQL

Messaging Queue: Redis

#### - SRE/DevOps Skills

Kubernetes and Docker

CI/CD pipelines: Gitlab

Version Control: Git

Cloud Platform: AWS, GCP

### WORK EXPERIENCE

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#### Senior Software Developer | Network International | February 2024 to Present

##### Roles:

- Develop high-quality software applications using a variety of programming languages and frameworks, including PHP, Golang, Vue.JS, Node.JS, and Microsoft SQL.
- Design and architect scalable and efficient solutions based on business requirements and technical specifications.
- Developing app integration with REST and other APIs for payment processors and other services.
- Responded to incidents and performing root cause analysis
- Mentoring of junior team members, providing technical and leadership support
- Track project progress, identify risks, and implement mitigation strategies.
- Collaborate with cross-functional teams, including product managers, designers, and QA engineers, to ensure successful project execution.

##### Key Achievements:

- Spear headed the design and development of Lite Portal++ Application for KQ and other airlines which entailed single sign-on for sub accounts management as a new feature offering.
- Part of a team that helped implement the automation of Merchant Onboarding process for our POS solution. This helped Increase the frequency of onboard new merchants and devices and eliminating human errors.

#### Head of Special Projects | Mobiglobe LTD | March 2021 to December 2023

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##### Roles:

- Setting up and managing Docker containers running PHP, React and Vue applications, for deployment into Kubernetes.
- Conducted load testing to identify performance bottlenecks and optimize system resources.
- Ensure product readiness and operational delivery and support for new product launches.
- Developing app integration with REST and other APIs for payment processors and other services.
- Implemented CI/CD pipelines, increasing deployment frequency and reliability.
- Working on the changeover from an existing system to a new one and ensuring that the improved version works with existing systems.
- Responded to incidents and performed root cause analysis, reducing downtime by 30%

- Liaised with different internal teams to dissecting product requirements and understand resources needed to achieve the goal

#### **Key Achievements:**

- Implemented sending of SMSes regionally (Rwanda, Tanzania, Uganda) for our Bulk SMS application through the integration of an SMSR API.
- Implemented a blacklist feature for customers who didn't want to receive promotional messages, thus reducing customer complaints by 50%.
- Spear headed the design and development of Bulk SMS Application for Finserve as a new business offering.
- Part of a team that Increased the speed of processing SMS requests from 2 million/day to 7 million/day through a redesign of the SMS application architecture.

### **Full Stack Engineer | Nano Digital | January 2018 to March 2021**

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#### **Roles:**

- Participated in code reviews, both as a reviewer and reviewee, to ensure we are constantly delivering the best product to the customer.
- Integrating third party API's.
- Implementing additional functionality as business needs arise.
- Worked with CI/CD systems including bitbucket and Gitlab to manage our deployment orchestration
- Developed multiple technical design documents to help colleagues understand the various software and features both being developed and already in production.
- Responsible for API integrations, most notably integrating the M-Pesa API's on behalf of our clients to streamline their process and enhance user experience when paying

#### **Key Achievements:**

- Part of team that developed a USSD dating application which had over 2000 subscribers at the time of operation.

### **Systems Engineer - Intern | United Nations Office At Nairobi (UNON) | April 2016 to September 2016**

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#### **Roles:**

- Provided administration support for the infrastructure systems and servers by working directly with Microsoft System Center Configuration Manager (SCCM).
- Network setup, administration and configuration
- Computer system upgrade, repair, maintenance and Software Installation
- Help desk administration
- Training new users on existing systems
- Help to coordinate support for all user hardware/software troubleshooting and computer installations

### **Project Experience**

#### **Finserve SMS Suite | <https://bulksms.finserve.africa>**

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Entails sending of personalized marketing and communication campaigns to user's mobile devices both locally and regionally. Customized to send SMS alerts at scheduled times.

- **Utilised:** Laravel, cron jobs, SMSC, MySQL, httpd(Apache), Python

#### **Bulk SMS SUITE | <https://cloud.nanodigital.co.ke/>**

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Entails sending of personalized marketing and communication campaigns to user's mobile devices. Customized to send SMS alerts at scheduled times.

- **Utilised:** Laravel, cron jobs, SMSC, Mpesa API and MySQL, Docker, Kubernetes, GCP

## Mobiglobe Payments | Payment gateway

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Application that integrates several payment gateways and exposing it to other third party users and applications to help process their financial needs as an API.

- **Utilised:** Laravel, Mpesa API's, Docker, Kubernetes

## AWS Three-tier Web Application | Fibonacci sequence (Personal Project)

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Simple application showcasing the **Fibonacci sequence**.

**Docker images:** dibzjr/multi-client, dibzjr/multi-server, dibzjr/multi-worker

- **Utilised:** React, Docker, Nginx.

## EDUCATION

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### Bachelor of Business Information Technology

September 2012 - November 2015

Jomo Kenyatta University of Agriculture and Technology (JKUAT) **Second Class Honours (Upper Division)**

## PROFESSIONAL COURSES\TRAINING

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**ITIL 4 Foundation** – Computer Pride, Nairobi, Kenya (20<sup>th</sup> March – 13<sup>th</sup> April 2022)

**IBM Academic Certificate for Cloud Application Developer Mastery Award (2016)** - Kenyatta University, Nairobi, Kenya (20<sup>th</sup> March – 24<sup>th</sup> March 2017)

## LEADERSHIP EXPERIENCE

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### Office of the Director of Public Prosecution (ODPP): May 2017 – December 2017

As the team leader for the team, I have managed to galvanize and rally team members on purposeful assistance in the organization thus achieving goals both at the Organizational and individual level.

## PROFESSIONAL REFEREES

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