

Byishimo Shema Serge

Software Engineer

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My expertise lies in system architecture and design as well as developing software using service-oriented architecture, event-driven design, micro-services, containerization platforms, cloud services, complex solutions and IT infrastructure in general.

WORK EXPERIENCE

Software Engineer.

Meeds DAO • Part-Time , Nov 2023 - Present

- Using Java, developed Crowdin connector enabling users to link their Crowdin accounts to Meeds hubs so that their translations can be recognized and rewarded and rewards transferred to contributors' blockchain wallets.
- Developing a LinkedIn connector, facilitating user interaction recognition (likes, comments) within the hubs, with rewards and recognition tokens securely transferred to contributors' blockchain wallets.
- Collaborated with the Meeds DAO team to identify and resolve system bugs on the decentralized platform, enhancing functionality and user experience through smart contract governance.

Software Engineer.

BeSoft Ltd • Part-Time , Jan 2024 - Present

- Developed and integrated mobile payment solutions for various services, including fuel discounts, event ticket purchases, and pledges management, improving customer convenience and satisfaction.
- Implemented digital wallets for customers, providing secure and efficient payment options, leading to increased user engagement and transaction volume.

Software Engineer.

Snack Sprint Ltd • Part-Time , Mar 2024 - Present

- Developed and deployed android software for vending machine
- Integrated mobile payment solutions, improving customer convenience.
- Managed inventory, advertisement and dashboard monitoring for optimized operational efficiency.

Software Engineer.

YAHLife Nation, May 2021 - Present

- Install and maintain Cloudstack for cloud-based infrastructure management.
- Develop custom Liferay portlets for creating custom web applications and modules on the Liferay portal platform.
- Customize OFBiz Operations for enhancing the functionalities of the Apache OFBiz framework.
- Integrate Stripe subscription with OFBiz subscription to handle payment processing and subscription management.
- Customize Jitsi Meet Android React Native SDK for adding new functionalities.
- Set up Keycloak with an LDAP Server for secure user authentication and authorization.

Embedded Systems Engineer.

Invictus Security Interests, May 2022 - April 2024

- Conduct testing and analysis of facial recognition technology, providing insights into performance and potential issues, and developing a deployment strategy that meets business needs and regulatory requirements.
- Automate product management and purchase order generation using OFBiz.
- Implement Exo Platform for internal collaboration and communication, including customization and integration with other tools.

Software Engineer.

Mopay Ltd, Mar 2020 - Mar 2021

- Developed and Implemented integration solution between MTN Mobile Money API and the company's software systems
- Developed and implemented integration solution between BPR Bank T24 core banking system and the company's software systems
- Worked closely with the BPR Bank T24 team to understand the API capabilities, limitations, and updates
- Ensure all integration solutions are scalable, reliable, and secure

Managing Director

Vortex Digital Ltd, Oct 2019 - Present

- Small startup offering software services to clients

Software Developer.

Thousand Hills, Jun 2018 - Jan 2019

- Developed client's softwares using different technologies

EDUCATION

Masters of Science in Information Technology

Data Science, Machine Learning

Carnegie Mellon University

Aug 2024 - Jun 2026

Bachelor of Science in Information Technology

Mount Kenya University

Jan 2020 - Dec 2022

Computer Science Diploma

SOS Technical High School

Jan 2015 - Nov 2017

TECHNICAL SKILLS

Java

Javascript

Kotlin

Python

PHP

Spring

CSS

HTML

Linux

MySQL

PostgreSQL

Laravel

Hibernate

Flutter

Docker

AWS

SSO

Gradle

Maven

Git

CI/CD

LDAP

VueJS

Kubernetes

NGINX Web Server & Proxy

OpenID Connect

Web Sockets

Google Cloud

GraphQL

Node.js

Stripe