

Joseph Mbatia

Software Engineer

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GITHUB | LINKEDIN | PORTFOLIO

EDUCATION

KIRINYAGA UNIVERSITY

INFORMATION TECHNOLOGY BACHELORS

Percentage: 70%

September 2018 - October 2022

Nairobi, Kenya

KANGARU SCHOOL

K.C.S.E

Percentage: 80%

January 2013 - November 2017

Embu, Kenya

EXPERIENCE

BYTESYNC SOLUTIONS | IT ENGINEER

Nairobi, Kenya | October 2019 – November 2022

Designed and implemented a redundant and fault-tolerant IT infrastructure

Configured and deployed a network of 3 servers and 100 workstations

Implemented and maintained a secure and scalable VM Ware hypervisor EXSI for different operating systems including Windows Server 2022, CentOS stream 8 and Ubuntu live server.

Developed and maintained documentation for IT systems, including configuration files and technical guides

SYSCRAFT LIMITED | SOFTWARE ENGINEER

Nairobi, Kenya | January 2023 – December 2024

Design and develop software applications using Java, JavaScript and Its frameworks Spring Boot and React JS

Collaborate with cross-functional teams to identify business requirements and develop software solutions that are upto standard and very scalable.

Develop and implement APIs using RESTful principles and API gateways such as Spring Cloud Gateway

Design and develop database schemas and implement database management systems for databases such as PostgreSQL and Microsoft SQL Server

Troubleshoot and resolve software issues using debugging tools and techniques

Participate in code reviews and contribute to the improvement of the software development process

Develop and maintain technical documentation for software applications and APIs

Customization and supporting ERP systems such as Odoo, for a number of clients, ensuring seamless integration and communication between the frontend and backend systems.

Built modules for different industries such as Pharmaceuticals a clinic management system which helps in automating most of their activities such as online appointment booking, telemedicine among others and NGOs a volunteer management system where volunteers can view different projects make donations and even chat with the Project Managers directly from the platform.

Maintaining and upgrading systems such as the company's email servers, application servers such as JBOSS EAP-7.4.0, general servers, systems such as Document Management System, Record Management System, and Workflow Automation and Implementing Business Process Modelling for accounts departments, including Account Opening and Accounts Payable and Network Infrastructure.

SKILLS

PROGRAMMING LANGUAGES

LIBRARIES/Frameworks

TOOLS / PLATFORMS

Java, Javascript, Tailwind CSS, HTML, CSS, SQL

React, Spring Boot, Spring Cloud

Git, VS Code, Microservice, Maven, Intelli J

PROJECTS / OPEN-SOURCE

NEXTJS E-COMMERCE APPLICATION | [LINK](#)

Javascript, React JS, Tailwind CSS

An E-Commerce platform suited for a laptop store with the latest and most modern Javascript framework and Tailwind CSS. The main aim was to understand this framework and its super amazing features.

STUDENT MANAGEMENT SYSTEM | [LINK](#)

Java, Spring & Spring Boot, JSP, Thymeleaf, PostgreSQL

With this project I was creating a management student for students within an institution to manage their activities and records.

Solving the need for the students to always physically access their records which can be time consuming.

MICROSERVICE ECOMMERCE PLATFORM | [LINK](#)

Java, Spring & Spring Boot, Spring Security, Spring

Data JPA Microservice Tools - API Gateway, RabbitMQ, KeyCloak, PostgreSQL, MySQL, MongoDB

This project I was implementing the whole E-Commerce platform with the main aim of implementing the microservice design pattern.

The platform's main aim was to perform optimally during which there would be many requests such as increase in sales in the platform by providing Load Balancing and scalability.

CERTIFICATIONS

- Bachelor of Science in Information Technology - **KIRINYAGA UNIVERSITY**
- Attained problem solving certificate by HackerRank - **HACKERRANK**
- NEXT JS and Tailwind CSS - **UDEMY**