

MUHEREZA HERMAN

As a Full Stack Software Engineer, I have developed skills in various technologies such as java, spring framework / springboot, node-expressjs for backend, and Reactjs + Typescript for frontend. I am also passionate about open-source projects and quality assurance. I work as a Quality Assurance Engineer at OpenMRS, where I perform automation testing, performance testing, user acceptance testing and manual testing. I am always eager to learn new things and improve my skills.

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SKILLS

- Java, Node.js and Express.js and their related frameworks and libraries, such as Spring and Spring Boot, enable me to create robust and scalable backend applications.
- React.js and TypeScript are modern and powerful tools for developing interactive and responsive frontend interfaces.
- Quality assurance engineering for open-source projects, such as OpenMRS, where I contribute to various aspects of testing, such as automation, performance, user acceptance and manual testing.
- A continuous learning mindset and a willingness to improve on my existing skills and acquire new ones.

WORK EXPERIENCE

OpenMRS

Software Developer (dev/3)

Jun 2019 - Present (4 years 4 months)

- I worked as a QA volunteer in the QA squad, where we were tasked with writing end-to-end automated tests for the OpenMRS reference application version 2, ensuring the tests passed, and testing the application in various environments.
- Working on the OpenMRS Fhir2 module as we move closer to using it more than the Rest API. I worked on changing the Dao layer of the module and converted it from using Hibernate Criteria Api to the more pleasant JPA Criteria Api.
- Collaborating with OpenMRS system architects and senior engineers to drive tech strategy and accomplish project milestones and deliverables on time using Agile methodologies.
- Supporting fellow development teams with code reviews, brainstorming, and guidance.
- Designed and developed software applications using Java and associated frameworks. Experienced with JUnit, Jenkins, and other common system validation and testing methods.

Google Summer of Code Intern

Apr 2023 - August 2023

- I was selected to work with OpenMRS under the Google Summer of Code program. My project title is Add Support for Fhir Patch Operations. Find my contributions at <https://github.com/openmrs/openmrs-module-fhir2>

QA Engineer

May 2021 - Present (2 years 5 months)

- Writing End to End Automated tests for the OpenMRS reference application version 2 and ensure the tests pass and test the application on various environments.

Release Manager

Nov 2022 - Feb 2023 (4 months)

- To handle the process of getting code stabilized, packaged, and released to the general public. If we were building planes, the RM would be the guy looking at the construction checklists, painting the airline logo on the fuselage, and delivering the finished unit to the customer.

PDO Systems

Software Developer

Sep 2022 - Feb 2023 (6 months)

- Took part in the development of the backend restapi for the application and also took part in creating the frontend using flutter, Dart Getx and many other libraries.

COSEKE LIMITED

Software Developer

Jan 2022 - Jul 2022 (7 months)

- Utilize the available enterprise solutions and customize them to meet a customer's requirements

Awesome Consultancy Limited

Software Engineer

- May 2021 - Sep 2021 (5 months)

EDUCATION

Bugema University

Bachelor's degree, Computer Software Engineering - 4.02 GPA

Aug 2017 - Nov 2021

Makerere University

Master of Health Informatics

2023-2025

Certifications

CCNA Networking Academy certifications- Cisco Networking Academy

Summer 2019

- IT Essentials: PC Hardware and Software- Cisco Networking Academy HERMAN MUHEREZA
- Introduction to IoT- Cisco Networking Academy HERMAN MUHEREZA
- Partner: NDG Linux Essentials- Cisco Networking Academy Herman Muhereza
- Business Administrator - MFiles
- Cloud Tech associate - backup & advanced mgt
- IT Administrator - MFiles

Recommendation(s)

Ian Bacher

GSoC Project Mentor

- Herman is a skilled and driven software developer who stands out among those I've had the pleasure of working with. He is a pleasure to work with and able to deliver well-written and well-worked out code.

REFEREES

- Mr. Ian Bacher, Data Scientist, Brown University, ian_bacher@brown.edu
- Mr. Male Samuel, Software developer, UCSF /OpenMRS, +256 704 202234
- Mr. Kakumirizi Daud, Software Developer / Implementer, Mekom Solutions, OpenMRS, +256 757 272014, or +256 772 506 355