

Vallery Otieno

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PROFILE

I am a highly passionate and dedicated professional with a fervent enthusiasm for development and cloud computing while leveraging DevOps practices. Possessing a track record of hard work and commitment to excellence, I thrive in dynamic environments where innovation and problem-solving are paramount. With a strong foundation in technology coupled with expertise in DevOps practices, I am adept at streamlining processes, enhancing efficiency, and driving continuous improvement initiatives. Leveraging my insatiable curiosity and drive to stay abreast of emerging technologies, I am committed to contributing meaningfully to high-impact projects and driving organizational success. As a collaborative team player with exceptional communication skills, I excel in fostering cohesive working relationships and delivering results that exceed expectations.

EDUCATION

BSc. Computer Science,

The Catholic University of Eastern Africa 🔗

May 2019 – Oct 2023

Nairobi, Kenya

Kenya Certificate of Secondary Education,

St. Francis Girls High School, Rang'ala.

Feb 2015 – Nov 2018

Siaya, Kenya

PROFESSIONAL EXPERIENCE

STEAM EduTrainer

Little Einsteins East Africa 🔗

Jan 2024 – present

Nairobi, Kenya

- I am currently in the process of designing and develop STEAM curriculum and lesson plan with my team of four colleagues, this is intended for the May-August school term.
- I lead interactive and engaging STEAM sessions, guiding children through various activities such as coding, robotics and science experiments.
- I offer personalized support and guidance to children, adapting teaching methods to accommodate different learning styles and abilities.

Information Technology Intern

United States International University, Africa 🔗

Jan 2023 – Apr 2023

Nairobi, Kenya

- I assisted in troubleshooting technical and operational issues, resolving hardware and software challenges promptly.
- I supported the setup of hardware and software applications for various departments, ensuring optimal functionality.
- I supported, maintained the institutions computer servers and networks.
- I also helped in the documentation of IT processes, procedures, and troubleshooting guides, contributing to the knowledge base and facilitating efficient problem resolution.

TOOLKIT

Git	<div><div></div></div>	Docker	<div><div></div></div>
Kubernetes	<div><div></div></div>	Gitlab	<div><div></div></div>
AWS	<div><div></div></div>	Node.js	<div><div></div></div>
Java	<div><div></div></div>	SQL	<div><div></div></div>
Redhat Enterprise Linux (RHEL) Based Linux Environment CentOS.	<div><div></div></div>		

SKILLS

Collaboration and Teamwork	<div><div></div></div>	Debugging	<div><div></div></div>
Time Management	<div><div></div></div>	Attention to Detail	<div><div></div></div>
Adaptability	<div><div></div></div>	Communication and Interpersonal Skills	<div><div></div></div>
Agile development	<div><div></div></div>	Prototyping	<div><div></div></div>

PROJECTS

PHARMACY MANAGEMENT SYSTEM

I developed a PHP-based application to streamline pharmacy medicine tracking and management, collaborating with diverse teams to ensure user-friendly features. The application enhanced efficiency by automating inventory management, dispensing workflows, and regulatory compliance. Through continuous improvement and stakeholder engagement, I demonstrated a commitment to leveraging technology for safer and more effective healthcare delivery.

CONTAINERIZATION OF A NODE APP USING DOCKER

I successfully developed a simple web application using HTML for the front-end and Node.js for the back-end. Utilizing Docker for local development, I containerized the application, incorporating MongoDB for data storage and Mongo Express for database management. This approach ensured consistency across environments and facilitated efficient deployment. By leveraging modern web development practices and containerization techniques, I demonstrated proficiency in building scalable and maintainable applications while staying current with industry standards.

REFERENCES

Dr. Carol Watson, *Lecturer*, United States International University, Africa
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Grace Mugure Njendu, *Founder*, Little Einsteins East Africa
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