

JOAN NDEGWA

Software Engineer

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SUMMARY

A proactive and adaptable software engineer with a 2-year track record in Python, JavaScript, and DevOps. Recognized for optimizing processes, resulting in a remarkable 35% efficiency gain. Distinguished by participation in prestigious programs such as LFX mentorship and Outreachy, demonstrating a commitment to open-source initiatives. Proficient in developing real-world solutions, collaborating effectively, and driving high-performance outcomes for software projects. Enthusiastic about contributing to innovative projects and nurturing a culture of excellence within the industry.

PROFESSIONAL EXPERIENCE

Hyperledger - California, United States (remote)

June 2023 – Present

Software Engineer (open-source contributor)

- Spearheading the improvement of the current Docker setup and Kubernetes operators support for the Fablo tool to enhance deployment efficiency and resource utilization.
- Expanding the scope of current tests to encompass a wider range of scenarios, enhancing the ability to identify and rectify potential issues before they impact production deployments.
- Fixing issues and implementing crucial missing features identified during testing to enhance the functionality and capabilities of blockchain automation with the Fablo tool.

Stax By Hover - Seattle, Washington, United States (remote)

October 2022 – May 2023

Software Tester

- Conducted manual tests on Stax app with a record of identifying inconsistencies and critical defects improving application reliability and user experience before release.
- Reduced post-release defects by 40% through comprehensive test plans and rigorous testing protocols, improving application quality and reducing maintenance costs.
- Explored and implemented new bug reporting methodology resulting in a 30% increase in test process efficiency and reducing the time required for testing.
- Collaborated with product development and testing team to ensure that any issues were addressed promptly and efficiently.

Eclipse Adoptium - Ottawa, Canada (remote)

September 2021 – March 2022

Software Engineer Intern (Outreachy Fellow)

- Successfully streamlined running of tests on docker containers, reducing container volume and saving operational costs.
- Parameterized test running and optimized logic, resulting in 35% increase in efficiency and speed of testing across 18+ applications.
- Collaborated with the team to research and implement workflow improvements, making testing easier and more effective across all applications while updating documentation.
- Analyzed failed tests and implemented corrective measures for improved clean-up processes, enhancing test reliability.

Rottal Solutions - Nairobi, Kenya

January 2019 – March 2021

Project Manager

- Led custom software development projects and CRM integrations with cross-functional teams, achieving a 90%+ customer satisfaction rating and a 40% increase in revenue.

EDUCATION

Holberton School (ALX SE Program)

April 2023 - Present

Software Engineer Certificate, Full Stack Software Development

Multimedia University of Kenya

January 2012 - October 2015

Bachelor of Science, Information Technology

SKILLS & OTHER

Skills: Python, JavaScript, HTML/CSS, Django, Typescript, React, Next.js, MySQL, PostgreSQL, MongoDB, AWS, Bash, Docker, Kubernetes, Git, Jenkins, Puppet, Software Testing, Project Management, Problem-Solving, Adaptability, Leadership, Teamwork.

Volunteer Experience: Technovation (Regional Coordinator and Mentor), Microsoft DigiGirlz Program (Mentor).