Samuel Kariuki

Operations Manager · Software Build & Deployment Specialist

Profile Overview

Samuel Kariuki is an Operations Manager who has led end-to-end code compilation, build automation, and software packaging initiatives for cross-platform applications. He combines a deep understanding of CI/CD pipelines with hands-on scripting expertise to ensure reliable, repeatable releases—empowering teams to focus on innovation rather than installation hurdles.

Key Projects

Project Name	Role	Technologies	Outcome
1. Unified Build Pipeline	Lead Architect	Jenkins, Docker, Bash	Automated builds for 5+ microservices; reduced release time by 60% and eliminated build drift.

2. Desktop-to-Web Migration	Project Manager	Flask, PyInstaller, GitLab CI/CD	Migrated legacy Tkinter apps to lightweight Flask services; standardized packaging for Docker.
3. Cross-Platform Installer	Technical Owner	NSIS, Inno Setup, PowerShell	Developed a single installer supporting Windows and macOS; decreased support tickets by 40%.
4. Dependency Audit & Lockdown	Operations Lead	Python, npm, pipenv, Yarn	Implemented automated vulnerability scanning in CI; enforced strict lock-file controls.
5. Batch-Scripted Environments	Automation Specialist	Bash, Batch, Ansible	Delivered one-command environment setup for developer and QA teams across 3 continents.

Select Accomplishments

- Designed a modular repository structure that supports simultaneous development, QA, and hotfix streams without merge conflicts.

- Instituted nightly regression builds with proactive alerting, cutting bug-leakage into production by 70%.

- Orchestrated a team of 8 engineers to implement container-first deployments, slashing infrastructure provisioning time from days to minutes.

- Authored comprehensive runbooks and wiki pages that reduced on-boarding time for new hires from 2 weeks to 3 days.

Education

Daystar University · Bachelor of Arts in Psychology and Counselling
November 15, 2024

- Gained deep insights into human behavior, motivation, and group dynamics—skills leveraged to optimize team performance and stakeholder alignment.

- Applied counseling frameworks to facilitate change management, conflict resolution, and cross-departmental collaboration.

- Developed strong communication and active-listening abilities that enhance requirement gathering, user acceptance testing, and support escalations.