Patricia Njoroge *DevOps Engineer*

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○ Github in LinkedIn

◉ Medium

Profile

DevOps Engineer with over 2 years of professional expertise. Proficient in various areas such as Web development, DevOps principles, Google cloud services, Linux administration, GitLab for version control, Kubernetes for container orchestration, Git for source code management, Docker for containerization, and Ansible for infrastructure as code. Possesses a deep understanding of the software development life cycle and has successfully implemented DevOps methodologies to improve software delivery and deployment processes. Adept at automating workflows, optimizing system performance, and ensuring continuous integration and delivery. With a strong foundation in these technologies and a wealth of practical experience, this DevOps Engineer is well-equipped to drive innovation, efficiency, and scalability within any organization.

Skills

Systems Programming Linux	● ● ● ● ○	**Version Control** Git/Github	● ● ● ● ○
Infrastructure as Code (IaC) Ansible	● ● ● ● ○	**CI/CD** Jenkins	● ● ● ● ○
Containerization Docker	● ● ● ● ○	**Cloud platforms** Google Cloud (GCP)	● ● ● ● ○
Orchestration Kubernetes	● ● ● ● ○	**Web Development** HTML/CSS, Javascript	● ● ● ● ○
Content Management Systems (CMS) Wordpress	● ● ● ○ ○	**Backend web development** PHP/MySQL	● ● ● ● ○
Procedural/Object Oriented Programming Languages C, C++, python, Java	● ● ● ○ ○	**Payment Integration** Paypal, flutterwave	● ● ● ● ○
Spreadsheets Excel	● ● ● ● ○	**Business Intelligence tools** Tableau, PowerBI	● ● ● ○ ○

Professional Experience

2022/05 – present	**Tech Educator** *C.N Technologies* ⌝ • Web Development Instruction: Assist students in learning HTML, CSS, and JavaScript, guiding them in creating interactive web interfaces. Conduct code reviews and provide constructive feedback to improve coding practices. Help students complete software projects. • Programming Fundamentals: Deliver tutoring sessions focused on the C programming language, introducing students to programming fundamentals. Develop comprehensive lesson plans for effective learning. Achieved 10% improvement in students' understanding and application of concepts.

- Cloud Computing Education: Introduce students to cloud computing concepts through Google Cloud Platform. Provide hands-on experience in deploying applications to the cloud. Help students to successfully deploy their applications.
- Database Management Support: Offer tutoring sessions to students on principles and practices of database management. Utilize relevant technologies for practical implementation. Help students to demonstrate proficiency in managing databases.
- Professional Development: Actively participate in conferences and workshops to enhance teaching skills and stay updated on advancements in the field. Attend at least one conference and one workshop weekly.

2020/01 – 2021/11 Kenya	**Junior Software Developer** *Westrift Farm and Feeds* ⃠

- Project Development and Automation: Lead the development of various software projects, implementing automation, CI/CD processes, and infrastructure management. Streamline processes and improve efficiency through automation.
- Successful Project Deliveries: Successfully deliver projects including the Farm Management System for Westrift Foods and Feeds, Point of Sale system for Hotel Eastern. Ensure timely delivery and client satisfaction.
- Technical Support and Training: Offer technical support and training to staff on system usage, ensuring smooth operation and optimal performance. Provide expertise in programming languages and database management.
- Website Hosting and Performance: Host website to ensure seamless functioning and excellent performance. Utilize programming languages such as PHP, C++, C, HTML/CSS, and JavaScript. Apply skills in SQL and utilize Business Intelligence Tools for data analysis and reporting.

2016/01 – 2016/11 Nakuru, Kenya	**Mathematics Tutor** *Moonlit Preparatory Academy*

- Delivered high-quality mathematics instruction to students aged 11 to 15, fostering their understanding and skills.
- Offered mentorship to teenagers
- 70% of the students gained better understanding of the subject and how to tackle related problems.

Projects

present	**Node app playbook** ⃠ *Ansible -Nodejs*

- Deploying a Node.js application using Ansible, Vagrant, and Kubernetes, ensuring smooth and efficient deployment processes, collaborating with stakeholders, conducting troubleshooting, and implementing CI/CD pipelines.
- Managing orchestration, scalability, monitoring, and performance optimization within the Google Cloud Platform (GCP) environment, staying updated with industry best practices to enhance deployment automation and efficiency.

Yolo ⃠
Docker/Ansible/GKE - Nodejs, ExpressAPI and MongoDB ecommerce feature project
- Implemented efficient containerization and deployment strategies using Docker, Kubernetes, and Google Kubernetes Engine .
- Reduced image sizes, ensured seamless orchestration, improved accessibility through load balancing, and enhanced the overall development workflow.
- Integrated MongoDB Atlas for scalable database management
- Employed Ansible for automated configuration management, resulting in streamlined operations and improved application stability.

Education

2023/06 – present Nairobi, Kenya	**Software Engineering** *Moringa School*
2023/03 – 2023/05 Nairobi, Kenya	**DevOps Engineering** *Moringa School*
2018/01 – 2021/11 Nairobi, Kenya	**Bachelor of Science in Mathematics and Computer Science** *Jomo kenyatta University of Agriculture and Technology*

Certificates

DevOps Engineering Certificate Moringa School	**Backend Web Development with PHP/MySQL** AQSkills

References

Available Upon Request