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# Quaye Worsley

## Devops Engineer

Teshie, Accra - Ghana

+233202955869

[quayeworsley@gmail.com](mailto:quayeworsley@gmail.com)

## SUMMARY

Experienced DevOps engineer with a strong background in automating and optimizing the software development and deployment process. Proficient in a range of tools and technologies, including Docker, Kubernetes, Ansible, Jenkins, Terraform and DataDog. Skilled in implementing continuous integration and delivery pipelines, as well as monitoring and maintaining highly available systems. Proven ability to work effectively in a team environment and strong problem-solving skills.

## SKILLS

Kubernetes | Docker | AWS | GCP | Shell Scripting | MongoDB | PostgreSQL |  
CI/CD | Linux | Python | Java | QA | GIT | DataDog | Terraform | Documentation |  
Bitbucket Pipelines | Ansible | Jenkins | Terraform | Hive | Spark | Hadoop |  
Airflow | Presto | Splunk | Kibana | ArgoCD | Micro services | GitOps |

## EXPERIENCE

### Galt Sudoers, United States - *Devops Engineer*

June 2023 - Dec 2024

#### DevOps Engineer

- **Cost Cutting:** Implementing cost-cutting measures to reduce infrastructure expenses by \$2000 to \$3000 per month.
- Maintaining microservice uptime at 99.9% or higher on average.
- **Troubleshooting and Tech Support:** Resolving complex issues related to big data processing and analytics, supporting tools including Hadoop, Spark, Hive, Presto and more. Identifying and resolving performance bottlenecks, debugging code, and ensuring stability and reliability.
- **Terraform Code Management and Automations:** Developing and managing infrastructure as code using Terraform, automating the provisioning and management of cloud resources.

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- **Jenkins Script Automation and Management:** Writing and managing Jenkins scripts to automate build, test, and deployment processes, ensuring smooth and consistent CI/CD pipelines.
  - **Bash Scripting:** Creating and maintaining Bash scripts to automate routine tasks and streamline workflows, enhancing operational efficiency.

## **WayaMoney, United Kingdom** - *Devops Engineer, QA, Tech Support*

November 2021 - December 2023

### **DevOps Engineer Lead**

- Implement Kubernetes to Manage and Deploy applications resulting in improved deployment, speed and reliability.
- Develop and maintain CICD pipelines to enable rapid deployments and features.
- Manage SQL and NOSQL Databases.
- Collaborate with development teams to improve deployment process and accelerate release of features and updates.
- Developed and implemented automated deployment processes, resulting in a 50% reduction in deployment time

### **Tech Support Lead**

- Provided technical support to end-users, ensuring prompt and efficient resolution of issues
- Collaborated with cross-functional teams to identify and troubleshoot technical problems, resulting in a 50% reduction in escalations
- Developed and maintained internal knowledge base for customer support agents to improve issue resolution times

### **QA Lead**

- Led a team of three QA analysts in developing and executing test plans for multiple applications
- Developed and implemented quality assurance processes, resulting in a 20% reduction in defects
- Collaborated with cross-functional teams to identify and resolve issues and improve application quality

## **IoTecgh, Accra** - *System Administrator*

October 2018 - December 2020

- Installing, configuring, and maintaining operating systems, software, and hardware on servers and other computer systems.
- Managing user accounts, permissions, and access to systems and data.
- Monitoring and troubleshooting system performance and availability.
- Developing and implementing backups and disaster recovery plans

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- Providing technical support to users.
  - Implementing and maintaining security measures to protect systems and data.
  - Collaborating with other team members and departments to identify and resolve issues.

## EDUCATION

**Ghana Institute of Management and Public Administration (GIMPA),  
Accra - BSc Computer Science Degree**

September 2016 - December 2020

**Courses:** Programming fundamentals in C++, Object Oriented Programming in Java and C++, Accounting Fundamentals, Algorithms and Data Structures, Calculus, Linear Algebra, Probability and Statistics, Numerical Methods, Computer Theory, Management and Organizational Behavior, and Software Engineering.

**Presbyterian Boys' Secondary School (PRESEC), Legon - High School**

**Course:** General Science

## PROJECTS

### Log Monitoring Project – Centralized Logging and Visualization System

Project Link : <https://github.com/ChocoPath/log-monitoring-stack>

- A complete log monitoring and observability stack using Grafana, Loki, Prometheus, and Fluent Bit, all containerized with Docker Compose

### Microservice deployment with k3d

Projects link : <https://github.com/ChocoPath/Fido/>

- Automate Deployment Pipelines with Kubernetes and ArgoCD.
- Write endpoints with FastAPI to check status of microservices
- Deploy microservices using k8s manifest files

### DigitalOcean Kubernetes Challenge

Projects link : <https://github.com/ChocoPath/DigOcean>

- Automate Deployment Pipelines with Kubernetes and ArgoCD.
- Install and create CI pipeline using Tekton.

### Navigation Assistant For the Visually Impaired

Project Link : <https://github.com/ChocoPath/Navigation-Assistant-for-visually-impaired>

- Leverage on Artificial Intelligence to identify objects.

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- With the help of Text to Speech and Speech to Text help the visually impaired navigate to an object.
  - With the help of Raspberry pi integrate AI based Object tracking and Speech capabilities to help Visually impaired Navigate around.

## AWARDS

- Master the Mainframe 2020- Level 2.
- Awarded Certificate in Introduction to Networks: Linux/UNIX and Networking and DNS.
- Obtained a certificate in Applied Computer Science Certificate Program in Network Administration by the African Virtual University.
- Docker Essentials : A Developer Introduction.

## VOLUNTEER

- Moderator for PyCon Ghana 2022
- Technical Consultant for Pycon Africa 2020
- Logistics and Technical Support - Python Africa 2024

## SPEAKER

- Pycon Namibia 2024 - Shift Left, Stay Secure: Integrating Security into the Python DevOps Pipeline

## REFERENCES

Edward Baidoo  
DevOps Engineer  
Kuda Bank  
+233201099225  
[ejabaidoo@gmail.com](mailto:ejabaidoo@gmail.com)

Enoch Mensah  
Head of Engineering  
Polymorph Labs Gh Limited  
+233550123292  
[nyankahmensah@gmail.com](mailto:nyankahmensah@gmail.com)