**GLORIA NYAMBURA WANYAGA**

Junior DevOps Engineer

**CONTACT**

**LOCATION**:

Nairobi, Kenya

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**GITHUB:**

[https:](https://github.com/kira8ke)[//github.com/kira8ke](https://github.com/kira8ke)  
  
**PORTFOLIO:**

[Gloria's portfolio](https://wanyaga.netlify.app/)

**EDUCATION**

Bachelor of Science in Computer Science  
Cooperative University of Kenya

| 2023-2027

* Strong coursework in Mathematics, Data Structures and Algorithms , Software Engineering, Networking, OOP,Database Management and Systems.

**SKILLS**

**Programming Languages**:

Python, HTML, CSS,C++,C,Java

**Tools/Software:**

-Git and GitHub Actions

- Figma - Linux

-WordPress - FlutterFlow

-n8n

**DevOps and MlOps:**

-Docker -CI/CD pipelines

-Terraform -Kubernetes   
-Jenkins (Self paced Learning)

-Ansible( Self-paced learning)

**Cybersecurity:**

-Foundational knowledge in DevSecOps,

**SUMMARY**

Passionate and detail-oriented Junior DevOps Engineer with a solid foundation in system integration, CI/CD pipelines, and secure backend development. I bring hands-on experience in automation, API configuration, and containerization using tools like Docker and Git. Driven by a deep curiosity for scalable, innovative solutions , especially at the intersection of DevOps, AI/ML, and cloud infrastructure, I thrive in fast-paced, high-ownership environments that value simplicity, continuous learning, and real impact. I'm eager to contribute to teams that foster autonomy, growth, and a forward-thinking, collaborative engineering culture.

**EXPERIENCE**

**Junior DevOps Engineer (Intern) |Elitcoorp March 2025 – Present**

* Managed repositories and workflows using Git and GitHub and built and deployed containers using Docker.
* Worked with AWS SES for transactional emails and ECS for container orchestration and helped automate CI/CD pipelines for faster and reliable deployments.
* Used Strapi CMS for content management and API integration**.**

**Participant | Huawei LEAP Sub-Saharan Africa Study Talent Camp 2024 (16th -25th November 2024)**

* Collaborated on a project addressing sustainability and SDG goals, using computational methods to propose solutions for flood and e-waste management to counter problems in Kenya.
* Came up with a solution towards Agricultural problems faced in Kenya called Agriventure that was aimed towards

**Web Development Lead | Laundry Business Project**

* Currently building a user-friendly website, integrating customer interaction features and service management tools.
* Applied practical HTML, CSS, and WordPress skills to enhance functionality and user experience.

**PROJECTS**

**Uvuvi Tek – Smart Fishery System (Ongoing)**

Developing an AI-driven smart fishery system to help Kenyan fish farmers optimize fishing and reduce overfishing. Integrates sensors and imagery analysis to track fish-rich areas based on water conditions.

Technologies:

Machine Learning, MLOps, Cloud Computing, IoT, Mobile App Development

Key Features:

Mobile App & Kindle-Like Devices for real-time fish tracking

Impact: Supports sustainable fishing and boosts farmer productivity

**n8n Automation Workflows**

-Built and deployed multiple automation workflows using n8n (open-source automation platform).

-Integrated third-party APIs (Gmail, Google Sheets) to automate daily tasks such as notifications, reminders, and data collection.

-Gained experience in low-code automation and testing workflows.

Skills gained: API integration, workflow automation, testing & debugging, problem-solving.

**HOBBIES**

Playing Basketball and watching football  
Trying new foods and recipes

Reading novels   
Listening to orchestras and music  
Watching movies

**REFEREES**

Kyle Robins Mutuma  
DevOps Engineer, ElitCoorp

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Marianne Njuguna  
Lead, She Code Africa- Nairobi Chapter   
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**DevOps July Challenge (4-Week Hands-on DevOps Project)**

Week 1: Containerized a sample application with Docker and set up CI/CD pipelines using GitHub Actions for automated builds and tests.

Week 2: Provisioned cloud infrastructure using Terraform, focusing on Infrastructure as Code (IaC) best practices.

Week 3: Deployed and configured a monitoring stack (Prometheus + Grafana + Loki) for system metrics, alerting, and visualization.

Week 4: Orchestrated application deployment with Kubernetes, using Helm for repeatable, production-ready deployments.

Skills gained: CI/CD, containerization, cloud infrastructure, monitoring, Kubernetes orchestration, testing automation.

**Agriventure| Huwaei LEAP Sub Saharan Digital Talent Study Camp 2024**

We designed a platform that was aiming towards connecting farmers directly to the market, inorder to maximise their profits and improve their lifestyles.

**LEADERSHIP**

**Lead, She Code Africa – Cooperative University Chapter (2023 – Present)**

Spearheaded initiatives to support and empower women in technology through workshops, mentorship programs, and hands-on coding sessions.

Fostered continuous engagement within the community by organizing regular events, discussions, and collaborative projects, creating an inclusive environment for members to thrive.

**ACHIEVEMENTS**

**Participant, Huawei LEAP (Leadership, Employability,**

**Advancement, Possibility) Digital Talent Study Camp | November 2024**

* Represented Kenya in Shenzhen, China, participating in training on AI, 5G, Cloud, IoT, and Big Data.
* Advanced to the finals of the Tech4Good competition, pitching a solution to make Agricultural farmers have direct access to the market.

**Balancing Advanced Learning with Academics**

* Successfully balancing self paced DevOps learning with academic coursework, hackathons and personal projects.
* Demonstrated strong time management and prioritization skills to excel in multiple demanding areas simultaneously.
* Working on implementing CI/CD pipelines for personal projects.Gaining hands-on experience with cloud deployment AWS.