

# Ebongue Nkwane Isaac

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## Professional Summary

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Experienced DevOps engineer with seven years of hands-on expertise utilizing Docker, Python, Terraform, Kubernetes, AWS services, Azure Services, Git, Jenkins, GitLab, and Grafana to optimize and automate development pipelines. Skilled in refining deployment procedures, improving system performance, and cultivating collaborative environments to ensure smooth project delivery.

## Education

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- Bachelor in Computer Science : **ETS Montreal**.

## Skills

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- **Cloud Providers:** AWS, Azure, GCP
- **Orchestration Tools:** Kubernetes, Helm
- **Infrastructure as Code:** Terraform, Cloud Formation
- Azure Resource Manager (ARM)
- **Configuration Management:** Ansible
- **Containerization:** Docker, Kubernetes, ECS, EKS
- **CI/CD Pipelines:** Jenkins, Code Pipeline, GitLab
- Azure DevOps Services
- **Repository:** GitHub, Docker Hub
- **Operating System:** Linux/Ubuntu
- **Web Application Servers:** Nginx, Apache, Tomcat
- **Database Management System:** MySQL, DynamoDB, PostgreSQL
- **Ticketing Tools:** Jira, ServiceNow
- Azure Kubernetes Service (AKS)
- **Monitoring Tools:** Prometheus, Grafana, Kibana
- Azure Networking (Virtual Network, VPN Gateway, ExpressRoute)
- **Programming languages:** Python, Java, C, React, Flutter
- **Scripting:** Bash, shell script, PowerShell
- **AWS Services:** IAM, EC2, ASG, API Getway, SNS, SQS, VPC, ELB, CloudWatch, S3, RDS, Lambda
- **Security:** IAM, KMS, Security Groups, NACLs
- **Agile Methodologies:** Scrum, Kanban, Lean
- **Soft Skills:** Detail-oriented, reliable, time management, critical thinking, collaboration, communication, adaptability, teamwork, and accountability

## Languages

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- English.
- French.

## Experience

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### DevOps Engineer Specialist | Emera Inc - Canada | June 2021 – Present

- Implemented CI/CD pipelines using Jenkins, GitHub, and AWS tools, resulting in a 20% improvement in deployment efficiency.
- Developed Python scripts to automate deployment and infrastructure management tasks, contributing to improved operational efficiency of the DevOps team.
- Collaborated with cross-functional teams to design AWS architectures aligned with organizational technology strategy, integrating Python scripts for resource management and automation, leading to a 30% enhancement in system scalability, resilience, and workflow management.
- Automated infrastructure using Terraform and Ansible, optimizing configuration and management processes, leading to a 25% efficiency boost
- Optimized SQL queries and database schema designs to improve query execution times and overall database performance in PostgreSQL.
- Implemented backup and disaster recovery strategies specific to PostgreSQL databases, ensuring data integrity and availability in case of unexpected failures.
- Utilized Git, Maven, SonarQube, Nexus, Docker, Kubernetes, and Tomcat for monolithic and microservice deployment.
- Writing Python scripts for automation of deployment, configuration management, and performance monitoring tasks.
- Applied security best practices on AWS, emphasizing identity and access management, encryption, and compliance.

### Cloud Engineer Specialist | Shopify – Canada | April 2019 – May 2021

- Led the creation of CI/CD pipelines using Azure Pipelines, integrating Git and various Azure services.
- Collaborated across departments to devise scalable and resilient Azure-based solutions, enhancing workflow efficiency by 30%.
- Streamlined infrastructure setup using Azure Resource Manager, Terraform, and Ansible, resulting in a 25% boost in operational efficiency.
- Utilized Maven, SonarQube, Docker, Kubernetes, and Tomcat within the Azure ecosystem for seamless application deployment.
- Implemented stringent security measures on Azure, with a focus on identity management and encryption, ensuring compliance with regulatory standards for maximum security.

### Project Engineer | FoxBox Digital – Chicago, United States | May 2017 – March 2019

#### Infrastructure as Code (IaC) Implementation for Cloud Migration

Migration of on-premises infrastructure to the Azure cloud using Infrastructure as Code (IaC) principles with tools like Terraform. Automated the provisioning and management of resources, improving scalability and reducing manual errors. Implemented robust security measures and compliance standards using configuration management tools. Infrastructure blueprints using Terraform to provision and manage Azure resources efficiently. Implemented IaC principles to automate infrastructure deployment, enhancing scalability and reducing manual configuration errors.

- **Skills use:** Terraform, Azure, Ansible, Networking, Security, Scripting

## **Certifications**

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- **AWS Certified DevOps Engineer – Professional**
- **Microsoft Certified: Azure Security Engineer Associate**