

Godfrey Otieno

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SUMMARY

Results-driven AI Engineer, Backend Developer, and DevOps Specialist with expertise in AI/ML model development, backend architecture, and cloud infrastructure automation. Skilled in designing scalable solutions, REST API development, database management, CI/CD automation, and container orchestration. Adept at leveraging AI for automation and optimization, working in Agile environments to deliver high-performance software solutions.

EXPERIENCE

*Alluvium, **AI Engineer***

Jan 2025 - Present

Designed and deployed AI models for automation and data-driven insights.
Developed and optimized machine learning pipelines for real-time applications.
Implemented deep learning models using TensorFlow and PyTorch.
Integrated AI solutions into cloud environments for scalable performance.
Conducted data preprocessing, feature engineering, and model evaluation.

*Alluvium, **DevOps Engineer***

Jun 2024 - Present

Developed and maintained CI/CD pipelines for automated deployments.
Deployed and managed containerized applications using Docker and Kubernetes.
Automated cloud infrastructure with Terraform and Ansible.
Monitored system performance and security using Prometheus and ELK Stack.
Managed cloud services on AWS for scalable infrastructure.

*, **Backend Engineer (Freelance)***

Jun 2021 - Present

Built and maintained backend systems using Python, PostgreSQL, and Redis.
Developed RESTful APIs with Flask for efficient client-server communication.
Designed and optimized relational databases to enhance performance.
Integrated third-party APIs to extend system functionalities.
Implemented caching and queue management with Redis for scalable performance.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

*Certificate • **Data Science and AI** • 2025 - 2025*

University of Nairobi

*Bachelor of Science • **Physics** • Sep 2016 - Sep 2021*

LICENSES & CERTIFICATIONS

AWS Cloud and DevOps Engineer

Software Engineering – Backend Developer

SKILLS

AI & Machine Learning • AI Model Development & Deployment • Deep Learning (TensorFlow, PyTorch) • Data Preprocessing & Feature Engineering • AI-powered Automation & Optimization • Natural Language Processing (NLP) • Backend & API Development • Python, Flask, FastAPI • PostgreSQL, Redis • REST API Development & Security (OAuth 2.0, JWT, TLS/SSL)