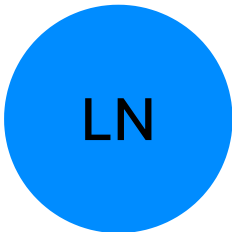


LEWIS NDUBI

AI & Software Engineer

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portfolio-psi-gules-w2ruexiipi.vercel.app/#projects github.com/lamar-Glass Nairobi, Kenya



SUMMARY

AI & Software Engineer with hands-on experience across machine learning, backend development, software automation and DevOps. IBM-certified in AI Engineering and DevOps & Software Engineering, with practical experience using Python, PyTorch, TensorFlow, Git, Linux, Docker, Kubernetes, CI/CD and cloud-native development. Builds intelligent engineering systems, including AI agents and ML evaluation pipelines, and applies software engineering practices to real-world technical problems

EXPERIENCE

Software Engineer Intern

County Government of Busia

05/2025 - 07/2025

- Built and maintained internal software solutions that streamlined government service workflows and reduced manual administrative effort.
- Deployed and supported a public-service web platform, resolving software defects and improving day-to-day reliability for end users.
- Automated repetitive administrative tasks with scripting and provided technical troubleshooting to keep operations running smoothly.

Network Engineering Intern

Jamii Telecommunications (Faiba)

11/2025 - 04/2026

- Monitored and maintained network infrastructure to support high availability across connectivity services.
- Configured routing equipment and diagnosed performance issues and outages to restore service reliability.
- Supported provisioning of new network connections and implemented improvements that strengthened network stability.

AI Engineering Projects

Autonomous AI Engineering Agent & ML Pipelines

2025 - 2026

- Built a multi-role AI engineering agent using Python, OpenCode, and Git for planning, code generation, debugging, security analysis, DevOps, and technical research.
- Developed an automated ML evaluation pipeline with Python, PyTorch, and TensorFlow to benchmark model performance across experiments.
- Completed applied AI projects spanning neural networks, computer vision, and PyTorch-based model development.

EDUCATION

KCSE – Kenya Certificate of Secondary Education

Mombasa Baptist High School

2017 - 2022

SKILLS

AI & ML

PyTorch TensorFlow Keras
Scikit-learn Deep Learning
Neural Networks Computer Vision
LLMs Transformers RAG
LangChain Prompt Engineering
AI Agents

Programming

Python Rust JS SQL
Shell Scripting

Software Engineering

REST APIs Flask Node.js Git
GitHub Software Architecture
Microservices Testing
Debugging TDD

DevOps & Cloud Native

CI/CD Docker Kubernetes
OpenShift Serverless Linux
Monitoring & Observability
Application Security

SKILLS

Systems

Linux macOS

Server Administration Networking

System Diagnostics

Practices

Agile Scrum OOP

Design Patterns

LANGUAGES

English
Fluent