

ASIKHALAYE SAMUEL

Python/Django Engineer | DevOps & Cloud Architecture | Microservices | CI/CD | AI & IoT Systems

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PROFESSIONAL SUMMARY

Backend and DevOps Engineer with expertise in Python (Django, FastAPI), cloud infrastructure (AWS & Azure), and scalable systems design. Experienced in building high-performance APIs, optimizing cloud costs, automating deployments, and integrating third-party services for secure, reliable systems. Passionate about automation, cybersecurity, AI, and IoT, I've led complex multi-service architectures and built AI-driven automation tools designed for resilience, scalability, and compliance.

Core Skills: Backend Development · DevOps · Cloud Infrastructure · CI/CD · Microservices · Observability · Automation

Tech Stack: Python | Django | FastAPI | AWS | Azure | Docker | Redis | PostgreSQL | Celery | Terraform | RabbitMQ | Laravel | C++ | Rust

Interests: AI · IoT · Scalable Architectures · Cybersecurity · Open-Source

PROFESSIONAL EXPERIENCE

Migranium — Canada

Engineering Lead | July 2025 – Present

- Lead backend and infrastructure for Migranium's multi-tenant platform.
- Designed microservices using Django, Laravel, and FastAPI integrated via RabbitMQ.
- Implemented observability (Grafana, Prometheus, Loki, Wazuh) and Docker + Terraform.
- Developed AI for conversational intelligence with strict data isolation.
- Oversaw architecture design and infrastructure optimization.

DevOps / Systems / Backend Engineer | Apr 2024 – Jul 2025

- Architected the entire Migranium platform for scalability and resilience.
- Migrated from DigitalOcean → Azure with Laravel + React apps.
- Built a microservices bridge between Python/Django and Laravel.
- Reduced cloud costs by 54% and optimized infrastructure.
- Integrated HIPAA / PIPEDA / SOC compliance and strengthened security.
- Developed the in-app AI Assistant (in progress).

Hadi Finance (Baobab 2023) — Nigeria

Backend & DevOps Engineer | Mar 2023 – Feb 2025

- Built RESTful APIs using Django and improved scalability.
- Integrated financial & verification services for compliance.
- Created CI/CD pipelines with GitHub Actions reducing deployment time by 60%.
- Managed AWS (Lightsail + ECS) and cut costs by 30%.
- Implemented Redis, Celery, and database optimization.

Digible.one — Nigeria

DevOps Engineer & Backend Consultant | May 2023 – Sep 2023

- Fixed and optimized CI/CD pipelines and backend workflows.
- Re-architected infrastructure for cost & performance.
- Designed workflows for secure API integrations.
- Delivered scalable system architecture improvements.

Garden Ventures — Nigeria

Backend Engineering Intern | Apr 2022 – Dec 2022

- Maintained and refactored Django-based data visualization systems.
- Developed REST APIs for e-commerce platform using DRF.
- Optimized database performance and integrated third-party payments.
- Used Docker and Git for containerized development.

EDUCATION

Covenant University — B.Eng., Electrical and Electronics Engineering (2019 – 2024)

CERTIFICATIONS

- Python 3 Programming Specialization — Coursera
- Python for Everybody Specialization — University of Michigan
- Using Databases with Python — Coursera

TOP SKILLS

Web Applications · Information Security · Systems Design · CI/CD Automation · Cloud Optimization · Microservices