

DAMIEN NSOH AYINE

Software Engineer (DevOps) | Cloud & Infrastructure Specialist

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PROFESSIONAL SUMMARY

Software Engineer with **4+ years** of hands-on experience in DevOps, cloud infrastructure, and backend development. Proven track record of streamlining developer workflows, automating CI/CD pipelines, and managing scalable cloud deployments across **AWS and GCP**. Reduced manual server checks by **50%** through Python automation, improved system reliability via proactive monitoring, and ensured **ISO 27001/GDPR compliance** through automated security controls. Deep expertise in **Linux, Docker, Kubernetes concepts, Terraform-style IaC** (AWS CloudFormation), and relational databases (MySQL, PostgreSQL). Thrives in **fast-paced, distributed fintech environments** where uptime, security, and developer velocity are non-negotiable. Seeking to join Revolut's Developer Experience team to build the infrastructure that powers 75+ million customers worldwide.

QUANTIFIED IMPACT

50% reduction in manual server checks via Python/Bash automation	99.5% API uptime on AWS EC2 production infrastructure
25% reduction in security incidents via automated compliance controls	30% faster incident response through SIEM monitoring optimization
2TB+ genomic datasets processed on AWS EMR distributed cluster	15+ clinics digitized with 100% data integrity via automated sync
35% fewer downtime incidents via CloudWatch proactive alerting	40% faster release cycles via CI/CD pipeline automation

TECHNICAL SKILLS

Cloud Infrastructure: AWS (EC2, S3, EMR, CloudWatch, Lambda, CloudFront, IAM, VPC), GCP (BigQuery, Cloud Storage, Compute Engine), AWS Certified Cloud Practitioner

Containers & Orchestration: Docker (containerization, multi-stage builds, Docker Compose), Kubernetes concepts (pods, services, deployments, Helm), Container registries (ECR)

Monitoring & Observability: AWS CloudWatch, Prometheus (foundational), Grafana (foundational), SIEM (Mandiant), Log aggregation, Alerting, Distributed tracing concepts

Security & Compliance: ISO 27001, GDPR, Threat detection, Vulnerability management, Secrets management, Network security (VPN, firewalls), SSL/TLS, Penetration testing coordination

IaC & Configuration Management: AWS CloudFormation, Terraform (foundational), Ansible (configuration playbooks), Infrastructure abstraction, Environment provisioning

CI/CD & Automation: GitHub Actions, Jenkins-style pipelines, Bash scripting, Python automation, Infrastructure testing, Blue-green deployments, Rollback strategies

Backend & Databases: Python (Django, Flask, FastAPI), Node.js, REST API design, PostgreSQL, MySQL, SQL optimization, Data pipeline design, ETL processes

Linux & Systems: Linux administration (Red Hat, Ubuntu), Shell scripting, Process management, Systemd, SSH, File permissions, Package management, Server hardening

PROFESSIONAL EXPERIENCE

Cybersecurity Analyst / IT Support Engineer | DevOps-Aligned Infrastructure Role

Lillup, Paris, France (Remote) | September 2023 – Present

- Managed and optimized AWS cloud infrastructure** (EC2, S3, CloudWatch) for client applications serving international users, ensuring **99.5% uptime** through proactive monitoring and automated alerting
- Developed Python and Bash automation scripts** for server health monitoring, log aggregation, and infrastructure provisioning, reducing manual operational checks by **50%** and improving team velocity
- Implemented containerized deployment workflows** using Docker for consistent environment management across development, staging, and production, minimizing configuration drift

- **Built observability solutions** integrating AWS CloudWatch with custom dashboards for real-time CPU, memory, and network monitoring, reducing mean time to detection (MTTD) by **35%**
- **Ensured compliance with ISO 27001 and GDPR** through automated security scanning, access control policies, and continuous compliance checks, contributing to a **25%** reduction in security incidents
- **Managed source control and collaboration workflows** via Git/GitHub, enforcing branch protection, code review requirements, and CI/CD integration for **8+ engineers** across 3 countries

Python Software Developer (Internship) | Backend & Infrastructure

Achaeobyte, India (Remote) | April 2022 – May 2023

- **Developed and deployed REST APIs** using Python, Django, and Flask on AWS EC2, serving **1,000+** daily requests with **99.5%** uptime through load-balanced architecture
- **Automated CI/CD pipelines** for frontend and backend deployments, reducing release cycle time by **40%** through GitHub Actions-style automation and Bash scripting
- **Built Python monitoring scripts** integrating AWS CloudWatch APIs for real-time resource tracking (CPU, memory, disk I/O), enabling proactive scaling and reducing downtime incidents by **35%**
- **Designed and managed relational database schemas** in MySQL and PostgreSQL, optimizing queries for large client datasets and implementing automated backup and recovery procedures
- **Collaborated remotely** with backend engineers across time zones to design API contracts, manage infrastructure configurations, and maintain deployment documentation

Systems Support & Disease Control Officer | Digital Infrastructure Pioneer

Ghana Health Service, Bibiani, Ghana | 2014 – 2021

- **Pioneered digital infrastructure** for 15 rural clinics, managing hardware deployment, network configuration, Linux-based server setup, and user access control from the ground up
- **Automated data synchronization** between offline clinic systems and central databases using Python scripts, ensuring **100%** data integrity for **10,000+** patient records
- **Implemented security protocols** for patient data protection, including encrypted storage, role-based access control, and audit logging — foundational to later ISO 27001 compliance work
- **Analyzed epidemiological data** using SQL and STATA to drive public health interventions, reducing malaria incidence by **40%** in target communities through data-driven resource allocation

Technical Mentor | Data Science & Software Engineering

ALX Africa (Holberton Inc.) | Remote | July 2023 – Present

- **Mentor 50+ engineers** in Python, Linux system administration, cloud infrastructure, and DevOps best practices, with **90%+** cohort completion rate
- **Teach CI/CD concepts, containerization, and infrastructure-as-code** through hands-on labs and real-world project reviews, preparing junior engineers for production DevOps roles
- **Conduct deep code and infrastructure reviews**, focusing on security, scalability, and operational excellence — the same standards Revolut demands at 75+ million customer scale

KEY PROJECTS

Genomic Analysis Pipeline | Stanford School of Medicine

- **Architected distributed data pipeline** on AWS EMR (Spark/Hadoop) processing **2TB+** genomic datasets, implementing automated ETL, fault-tolerant processing, and ensemble ML model deployment
- **Managed cloud resource optimization** to minimize compute costs while maintaining processing SLA, demonstrating the cost-conscious infrastructure mindset essential for fintech scale

Afia Health Assistant | Offline-First Healthcare Infrastructure

- **Designed hybrid cloud-local sync architecture** using Firebase Cloud Firestore, IndexedDB, and SHA-256 integrity checks, enabling secure data persistence across 15+ clinics with intermittent connectivity
- **Implemented automated backup, conflict resolution, and retry mechanisms** with exponential backoff, ensuring zero data loss in production over 6 months

EDUCATION

Bachelor of Computer Applications (BCA)

Maharishi Markandeshwar University, Mullana, India | Graduated: June 2024 | **1st Class Honors with Distinction**

Relevant Coursework: Operating Systems, Computer Networks, Database Management, Software Engineering, Cloud Computing, System Administration

AWS Certified Cloud Practitioner

Amazon Web Services | Cloud infrastructure, security, and cost optimization certification

AI/ML in Precision Medicine

Stanford University | 2024

CERTIFICATIONS & TRAINING

• AWS Certified Cloud Practitioner | Amazon Web Services • Google Cybersecurity Professional Certificate | Google • (ISC)² Certified in Cybersecurity (CC) | (ISC)² • Google IT Support Professional Certificate | Google • Software Engineering (Python Specialization) | ALX / Holberton Inc