

Yonis Hassan

DevOps Engineer

Based in London | 07464095819 | yonishassan267@gmail.com | LinkedIn | GitHub | Portfolio

Profile: DevOps Engineer with hands-on experience in AWS cloud infrastructure, CI/CD automation, and containerized deployments. Currently supporting production systems for UK Government digital services, managing multi-environment AWS infrastructure using Terraform, Jenkins pipelines, and container orchestration with Docker and Kubernetes. Proven ability to automate complex workflows, having reduced processing times by up to 45% through custom scripts and infrastructure-as-code implementations. Strong foundation in Python development, cloud architecture, and DevOps tooling. Thrives in collaborative environments, working across engineering teams to deliver reliable, scalable production systems.

Experience:

Home Office (UK Government) | London | DevOps Engineer | 11/2025 – Present

- Managing AWS cloud infrastructure (EC2, VPC, S3, CloudWatch, IAM) supporting government digital services with high availability requirements
- Building and maintaining CI/CD pipelines using Jenkins for automated testing, deployment, and infrastructure provisioning across multiple environments
- Implementing infrastructure-as-code using Terraform to provision and manage cloud resources, ensuring consistency and reproducibility
- Working with Docker containers and Kubernetes orchestration for application deployment and scaling in production environments
- Monitoring system health via CloudWatch, responding to incidents, and collaborating with DevOps teams on infrastructure optimization

Infosys | London | Data Science Intern | 06/2025 – 08/2025 (3 Month Contract)

- Built Python ETL pipelines to process over 1 million council records, reducing manual data preparation from days to hours
- Developed RESTful APIs connecting multiple data sources, allowing analysts to query processed datasets in real-time
- Collaborated daily with engineers and policy experts to understand requirements and deliver working prototypes
- Implemented automated testing and validation checks, catching data quality issues before they reached production systems

Black Sun Ltd | London | Data Analyst Intern | 12/2024 – 03/2025 (Contract)

- Analyzed 200+ corporate sustainability reports for FTSE 100 clients, developing Excel macros to automate repetitive data extraction tasks
- Created standardized validation processes that reduced review time by 20% while maintaining 100% accuracy standards
- Worked directly with client stakeholders to understand reporting requirements and translate them into technical specifications
- Built reporting templates and documentation that other team members could easily follow and maintain

Technical Skills: Cloud Platforms: AWS (EC2, VPC, S3, CloudWatch, IAM, Lambda), Azure (VMs, Storage, Networking)

Infrastructure & Orchestration: Terraform, Docker, Kubernetes, Jenkins, CI/CD Pipelines, GitOps

Programming & Scripting: Python, Bash, SQL, JavaScript, TypeScript

Monitoring & Logging: CloudWatch, Prometheus, Grafana, ELK Stack

Version Control & Collaboration: Git, GitHub Actions, Bitbucket, Jira

Databases: PostgreSQL, MongoDB, Redis, Database Management

Education:

- Queen Mary University of London – BSc Physics and Data Science
- A-Levels & GCSEs – 3 A-levels & 11 GCSEs (grades 9-5, including English & Maths)

Certifications:

- AWS Cloud Practitioner – Amazon Web Services (Expected 03/2026) [Employer-Funded]
- AWS Solutions Architect Associate – Amazon Web Services (Expected 06/2026) [Employer-Funded]
- Deep Learning with Keras and TensorFlow – IBM (08/2025)
- Microsoft Azure Fundamentals – Microsoft (08/2025)
- Version Control with Git – Atlassian (08/2025)
- Google Cybersecurity Professional Certificate (Expected 2025)

Key Projects:

Mobile Location Tracking System (GhostTrack) | Python, Geolocation APIs | 2025

- Engineered location tracking application processing GPS coordinates with 5.7k+ GitHub stars, demonstrating strong community engagement
- Built robust data validation and privacy protection features ensuring secure handling of sensitive location information
- Developed RESTful API endpoints allowing integration with external mapping and analytics services

Container Orchestration Analytics Tool | Python, Docker, Kubernetes | 2025

- Created automation toolkit for Docker container deployment monitoring and performance analytics
- Built data collection systems tracking container resource usage, uptime metrics, and deployment success rates
- Implemented automated reporting features providing insights into infrastructure efficiency and cost optimization

CloudOps Toolkit - Production DevOps Automation Suite | Python, Terraform, AWS, Jenkins | 2025-2026

- Building comprehensive DevOps automation platform with multi-cloud infrastructure provisioning using Terraform modules for AWS and Azure
- Developing CI/CD pipeline generator that auto-creates Jenkins and GitHub Actions workflows from configuration files
- Implementing unified monitoring dashboard aggregating CloudWatch, Prometheus metrics with custom alerting engine
- Creating CLI tools for infrastructure deployment, pipeline management, and observability across production environments