

Haashim Alvi

DevOps Engineer | Cloud Infrastructure Specialist

Passionate DevOps Engineer specializing in cloud infrastructure automation, CI/CD pipelines, and Kubernetes orchestration. Experienced in Azure cloud services, Infrastructure as Code with Terraform, and implementing GitOps workflows. Committed to optimizing deployment processes and maintaining secure, scalable infrastructure solutions.

Professional Experience

DevOps Consultant

Sparta Global

 Aug 2024 - Present  Manchester, UK

- Deployed multi-tier Azure architectures using Terraform, implementing hub-spoke networking with secure VNet peering
- Built CI/CD pipelines in Jenkins and Azure DevOps, reducing deployment time from hours to under 15 minutes
- Containerized legacy applications with Docker and deployed to AKS with Helm charts and GitOps practices
- Automated infrastructure provisioning using ARM templates and Terraform modules for consistent environments
- Implemented monitoring solutions with Azure Monitor and Log Analytics for proactive issue detection

DevOps Trainee

Sparta Global

 Jun 2024 - Aug 2024  Birmingham, UK

- Completed intensive 10-week DevOps engineering program covering cloud, automation, and CI/CD practices
- Achieved Azure Fundamentals (AZ-900) certification with comprehensive cloud services knowledge
- Developed Infrastructure as Code using Terraform to provision Azure resources programmatically
- Created automated deployment pipelines with Jenkins, implementing build, test, and deploy stages

- Built configuration management solutions using Ansible playbooks for consistent server setups

Data Analyst

BUPA

 Jan 2023 - Apr 2024  Manchester, UK

- Analyzed healthcare data to identify trends and patterns, improving operational efficiency by 20%
- Created automated Power BI dashboards refreshing daily, reducing manual reporting time by 10 hours weekly
- Developed Python scripts for data extraction and transformation from multiple sources
- Collaborated with cross-functional teams to deliver data-driven insights for strategic decisions
- Implemented data quality checks and validation processes ensuring 99.9% data accuracy

Pricing Specialist

Advanced Supply Chain UK (Booker Group/Tesco)

 Aug 2021 - Jan 2023  Manchester, UK

- Managed product pricing for 300+ items using automated Excel models and SQL queries
- Analyzed competitor pricing data to optimize margins while maintaining market competitiveness
- Developed VBA macros to automate pricing updates, saving 5 hours of manual work weekly
- Coordinated with suppliers and internal teams to implement strategic pricing changes

- Created weekly performance reports tracking pricing effectiveness and market trends

Featured Projects

Home Media Server - Kubernetes Infrastructure



Production-grade K3s cluster hosting 22 stateful applications with enterprise security

K3s

ArgoCD

LDAP

Authelia

Longhorn

MetaLB

Traefik

Prometheus

22 stateful applications orchestrated

52 network policies enforced

1.4TB media storage managed

99.9% uptime achieved

- ▶ Implemented GitOps with ArgoCD for declarative deployments and automated rollbacks
- ▶ Configured zero-trust security with LDAP/Authelia SSO and granular RBAC policies
- ▶ Deployed hybrid storage architecture using Longhorn for configs and local-path for media
- ▶ Set up comprehensive monitoring with Prometheus/Grafana dashboards and alerting

React Charity Dashboard



Real-time event management dashboard for charity dinner visualization

React

TypeScript

Chart.js

Tailwind CSS

Vite

- ▶ Built interactive dashboard with real-time data updates and responsive charts
- ▶ Implemented table management system with drag-and-drop seating arrangements
- ▶ Created donation tracking with visual progress indicators and analytics
- ▶ Designed mobile-responsive UI with Tailwind CSS utility classes

File Organization GUI



Python desktop application for automated file organization

Python

Tkinter

PyInstaller

Jenkins

Bash

- ▶ Developed rule-based file organization system with custom filtering logic
- ▶ Implemented CI/CD pipeline with Jenkins for automated builds and testing
- ▶ Created cross-platform installation scripts for macOS and Linux
- ▶ Built intuitive GUI with drag-and-drop file selection

Infrastructure Automation Suite



Collection of Terraform modules and Ansible playbooks for cloud automation

Terraform

Ansible

Azure

Bash

Python

53KB of Terraform configurations

30+ Ansible playbooks

365KB of automation scripts

- ▶ Developed reusable Terraform modules for Azure resource provisioning

- ▶ Created Ansible playbooks for Windows and Linux server configuration
- ▶ Built Python scripts for cloud resource monitoring and cost analysis
- ▶ Implemented automated backup and disaster recovery procedures

DevOps Learning Documentation



Comprehensive wiki documenting DevOps practices and implementations

Markdown

Git

Documentation

- ▶ Created step-by-step guides for Jenkins pipelines and CI/CD workflows
- ▶ Documented Kubernetes deployment strategies and troubleshooting tips
- ▶ Shared practical examples from hands-on training exercises
- ▶ Built searchable knowledge base for team reference

Smart Meter Data Pipeline



Python application for processing and analyzing energy consumption data

Python

Pandas

NumPy

Matplotlib

- ▶ Built data pipeline processing 10,000+ daily meter readings
- ▶ Implemented anomaly detection algorithms for usage patterns
- ▶ Created visualization dashboards for consumption trends
- ▶ Optimized data processing reducing runtime by 60%

Technical Skills

Cloud & Infrastructure

Azure

AWS

Terraform

ARM Templates

CloudFormation

Infrastructure as Code

Cloud Architecture

Cost Optimization

Container & Orchestration

Docker

Kubernetes

K3s

Helm

ArgoCD

GitOps

Container Security

Service Mesh

CI/CD & Automation

Jenkins

GitHub Actions

Azure DevOps

GitLab CI

Ansible

Bash Scripting

Python Automation

Monitoring & Security

Prometheus

Grafana

ELK Stack

Azure Monitor

OWASP

Network Policies

RBAC

Zero Trust

Development & Tools

Python

TypeScript

React

Node.js

Git

Linux

Agile

Documentation

Databases & Storage

MySQL

PostgreSQL

MongoDB

Azure Storage

Longhorn

Persistent Volumes

Backup Strategies

Education

BSc Computer Science

University of Leicester

2015 - 2019 Leicester, UK 2:1 Honours

Key Modules:

- Software Engineering
- Database Systems
- Computer Networks
- Cloud Computing
- Cybersecurity Fundamentals

Certifications



Azure Fundamentals (AZ-900) - Microsoft Certified



DevOps Engineering - Sparta Global Certified

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