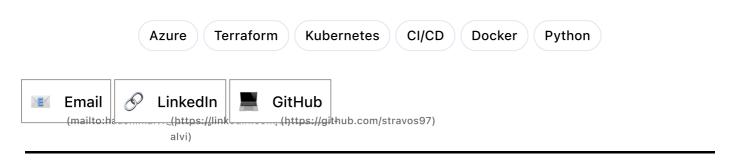# Haashim Alvi

Software Developer • Security Engineer

Junior DevOps engineer with hands-on experience automating deployments and managing infrastructure. Currently at **Sparta Global** developing enterprise DevOps skills through intensive training projects. Passionate about automation and continuously learning modern DevOps practices.

Azure   Terraform   Kubernetes   CI/CD   Docker   Python

Email
(mailto:ha........c
alvi)

LinkedIn
(https://link........,

GitHub
(https://github.com/stravos97)

Professional experience

DevOps Training Consultant

Sparta Global

Jan 2025 - Current

- Training in enterprise DevOps practices through hands-on projects: Azure, Terraform, Kubernetes, Jenkins, Docker, Ansible

- Reduced manual deployment steps from 8 to 2 by building CI/CD pipeline with Jenkins and Docker

- Managed configuration for 10+ Azure resources by implementing Terraform modules with state management

- Deployed 5 microservices to Kubernetes by configuring deployments, services, and ingress rules

- Set up basic monitoring by implementing Prometheus metrics collection and Grafana dashboards

- Automated application deployment by writing Ansible playbooks for 3-tier architecture

IT Technician

R.A.S Ltd

2024 - 2025

- Sole IT responsible for small business infrastructure: Office 365, firewall configuration, Windows servers, networking

- Achieved Cyber Essentials compliance by implementing required security controls and documentation

- Saved 3-4 hours weekly by automating Windows updates and backups with PowerShell scripts

- Improved system reliability by implementing daily backups and basic disaster recovery procedures

- Enabled faster troubleshooting by setting up ELK stack for centralized log collection

DevOps Engineer

Dematic

2022 - 2023

- Improved deployment processes for warehouse software using Jenkins, Docker, and Ansible

- Enabled daily deployments (previously weekly) by implementing Jenkins pipeline with basic testing

- Reduced deployment issues by containerizing applications with Docker for consistency

- Simplified server setup from manual process to scripted approach using Ansible playbooks

- Caught code issues early by integrating SonarQube scanning into build pipeline

- Improved team knowledge by creating deployment documentation and basic runbooks

Software Developer

Dematic

2021 - 2022

- Developed features for warehouse management systems using C and Python

- Built components for inventory tracking and order processing in warehouse control systems

- Debugged and maintained existing codebase, fixing bugs and improving stability

- Wrote Python scripts for data processing and automation of development tasks

- Participated in agile development with code reviews, Git version control, and regular deployments

Systems Tester (Placement Year)

Skipton Building Society

2019 - 2020

- Tested financial applications including banking systems and mortgage platforms

- Identified and documented defects before production releases through systematic testing

- Created test cases based on business requirements and user stories

- Assisted with test environment management and test data preparation

- Participated in UAT coordination and defect triage meetings

Key projects

File Organization GUI - Python Desktop Application

Automated file organization tool with GUI interface

Python · Tkinter · PyInstaller · +2 more

- Built Python/Tkinter desktop application to automate file organization based on user-defined rules

- Implemented CI/CD with Jenkins pipeline for automated builds using PyInstaller

- Created installation scripts for macOS and Linux to simplify deployment process

DevOps Learning Documentation

Personal learning journey documentation and guides

Markdown · Git · Documentation

- Documented personal learning journey with detailed notes on Azure, Terraform, and Kubernetes

- Created step-by-step guides for Jenkins pipelines and Ansible playbooks to help fellow trainees

- Shared practical examples and troubleshooting tips from hands-on training exercises

Home Media Server - Kubernetes Infrastructure

Production-grade K3s cluster hosting 22 stateful applications

K3s · ArgoCD · LLDAP · +5 more

- Orchestrated 22 stateful applications on K3s with LLDAP/Authelia authentication and ArgoCD GitOps

- Implemented zero-trust security with 52 network policies controlling ingress/egress traffic flows

- Configured component-based RBAC with 6 service accounts following least-privilege principles

- Deployed hybrid storage architecture using Longhorn for configs and local-path for 1.4TB media

Dependency Update Automation

Automated dependency management with Renovate bot

Renovate · GitHub Actions · CI/CD

- Configured Renovate bot to automatically check for updates across multiple repositories
- Set up automated pull requests for container image updates with semantic versioning
- Reduced manual dependency management work by implementing update scheduling

Bash Automation Scripts

Collection of automation scripts for common tasks

Bash · Shell Scripting · Linux

- Created collection of Bash scripts for common tasks like backups, log rotation, and monitoring
- Automated daily backups to cloud storage with basic retention policies
- Wrote health check scripts to monitor service status and send alerts

Smart Meter Data Pipeline

Python application for processing and analyzing energy consumption data

Python · Pandas · NumPy · +1 more

- 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%

Infrastructure Automation Suite

Collection of Terraform modules and Ansible playbooks for cloud automation

Terraform · Ansible · Azure · +2 more

- 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

React Charity Dashboard

Real-time event management dashboard for charity dinner visualization

React · TypeScript · Chart.js · +2 more

- 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

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 (Hons) Computer Science with Web Development

University of Salford

Sep 2017 - Jul 2021

Grade: First Class Honours

Community & Personal Development

Competitive Player

Local Badminton League

2023 - Present

- Compete in regional badminton tournaments, maintaining fitness and strategic thinking

- Apply DevOps principles to training: tracking performance metrics, iterative improvement, consistent practice

Open Source Contributor

Community Projects & Technical Content

2024 - Present

- Developing React-based charity dinner dashboard (github.com/stravos97/anoosh-charity-dashboard) for event data visualization

- Maintaining open source DevOps tools: Renovate configurations, Windows Ansible playbooks, automation scripts

- Sharing knowledge through GitHub: Kubernetes guides, Docker configurations, helping others learn DevOps practices