



UBAID KHAN
DEVOPS ENGINEER

PROFILE

A motivated DevOps Engineer looking to learn and progress as much as possible, with preferences in AWS, Terraform and Ansible. A natural leader and a great communicator who has strong problem-solving skills and works well in a team. Achieved a 1st class undergraduate degree in Mathematics and Physics.

CONTACT

uk1ubaid@yahoo.com

www.linkedin.com/in/uk99

www.ubaidk.com

07477163902

SOFT SKILLS

Leadership
Project Management
Communication and collaboration
Strong problem-solving skills
Thrive under pressure
Organisation
Time-management
Full UK Driving License
Multilingual

EXPERIENCE

DEVOPS/SOFTWARE ENGINEER – BT (BRITISH TELECOMMUNICATIONS)

SEPTEMBER 2021 - PRESENT

Key Responsibilities:

- Team lead for automation on Cisco ACI live network for major clients (Deloitte, CYBG, Nationwide) – inc. L3Out, Firewall, Gateway Cutovers, Subnets, etc.
- Co-owner and maintainer of Multi-Cloud Management tool for an internal webapp (Cloud Connected Edge), as well as being an integral member of the team
- Deployments via Terraform and Ansible, through AWS and Morpheus, with Equinix
- Created Git repositories for training use across the company, as well as various tutorial documents (e.g., for Cisco ACI Terraform, AWS CloudFormation templates w/Morpheus, Amazon EKS deployments)
- Provided mentoring and training for other graduates wanting to expand their software knowledge

EDUCATION

BSC(HONS) MATHEMATICS AND PHYSICS

COVENTRY UNIVERSITY ~ 2018-2021

GRADE ACHIEVED: 1ST

ADDITIONAL CERTIFICATE:

CMI (CHARTERED MANAGEMENT INSTITUTE) LEADERSHIP AND MANAGEMENT

KEY MODULES:

Quantum Mechanics, Fluid Dynamics, Advanced Algebra and Calculus, Electromagnetism, Differential Equations, Quantum Mechanics, Thermodynamics, Real and Complex Analysis

KEY SKILLS

Cisco ACI

- Team Lead for Automation on Cisco ACI networks for BT clients (Nationwide, Deloitte and CYBG)
- Created Terraform, Ansible and Python scripts (alongside creating csv's with given data) to deploy configuration and changes onto live APIC's
- Worked some weekends and evenings for live changes to network

- Upon successful completion of work on Deloitte and Nationwide, I was given the lead status on the CYBG (Clydesdale Banking Group) contract
- Examples of deployments: creation of tenants, bridge domains, subnets, EPG's, Application Profiles, gateway cutovers, L3Out configuration, Firewalls

Terraform

- Created and maintained Terraform code for a multitude of applications, including (but not limited to): automation of changes to live ACI networks, code for the Equinix provider for virtual network connections/devices and CI/CD. Implemented Terraform modules to maintain best practice and modularize codebase as much as possible.

Ansible

- Created Ansible scripts for block config of ports (for ACI). Helped develop scripts that deploy changes on network devices using Jinja (j2) templates and baseline configs. Also developed tasks and workflows for use in Morpheus (Multi-Cloud management tool)

AWS

- Have good experience and knowledge in a wide array of AWS services, such as: EC2, EKS, Lambda, API Gateway, CloudFormation, CloudWatch, CloudFront, S3, DynamoDB, IAM, Cognito, CodePipeline, etc...
- Management of Morpheus instance which is in three EC2 instances with a load-balancer
- Creation and management of clusters, nodes and workloads on EKS, using both the portal, awscli and eksctl
- Helped with writing Lambda's for executing tasks (using Morpheus) for internal (serverless) webapp
- Currently working towards AWS Certified Cloud Practitioner Certification

Python

- Helped with creating scripts for automated onboarding of new customers on a webapp (using JSON, shell scripts, ansible and API). This has resulted in a reduction of onboarding time from a few hours and effort from multiple people to just a few minutes, which has helped team members shift their focus to more development. Also utilized python to automate changes to config on Cisco ACI (using the API in instances where Terraform and Ansible have limitations)

Other Experience

- Git (Github and GitLab: maintaining repositories for the Terraform/Ansible codebase for Equinix provider for webapp)
- CI/CD (Helped in creating and maintaining)
- DCP (Dynamic Cloud Portal): implementing security barriers and safeguarding app, using SAML authentication
- Javascript/React
- HTML/CSS