

Aayan Butt

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🔗 https://github.com/aayanb134

👤 PROFILE

Devops Engineer certified in AWS and Terraform. Proficient in Linux, Terraform, Networking and AWS Services. Successfully implemented CI/CD pipelines using GitHub Actions as well as Infrastructure as Code (IaC) with Terraform. Looking to further improve skills with Docker, CI/CD and Python.

🧠 SKILLS

AWS

Linux

Networking

Git

Terraform

📁 PROJECTS

3-Tier Architecture on AWS using Terraform, Apache Web Application hosted on an EC2 server via Terraform 📄

Consists of a VPC covering 2 AZs (Availability Zones). Each AZ has 1 Public and 2 Private Subnets. Public Subnet contains a NAT Gateway and an EC2 instance hosting the Apache Web Server. Private Subnet contains an EC2 Instance that accesses internet through SSH via NAT Gateway. Also contains an RDS Instance that stores data, as well as an ALB (Application Load Balancer) and an ASG (Auto Scaling Group) for scaling and load distribution. Setup a GitHub Actions workflow to automate any future changes to the infrastructure.

AWS Cloud Resume Challenge, Serverless Web Application hosting a portfolio 📄

Took advantage of various AWS service such as Lambda, S3, API Gateway, DynamoDB and Cloudfront. Added a visitor counter using Python, which stores data in DynamoDB. Used API Gateway and Lambda to manage any interactions between the frontend and the DynamoDB database. Used Terraform to define and deploy AWS resources using IaC (Infrastructure as Code). Set up GitHub Actions for CI/CD (Continuous Integration/Continuous Deployment) for the frontend and backend

🎓 EDUCATION

A Levels, *Brampton Manor Academy*
ABB - Maths, Further Maths, Physics

2017 – 2019

GCSEs, *Brampton Manor Academy*
11 GCSEs A*-B including Maths and English

2012 – 2017

📄 CERTIFICATES

- AWS Certified Cloud Practitioner 📄
- AWS Certified Solutions Architect - Associate 📄
- Hashicorp Certified Terraform Associate (In Progress)

🏠 ORGANIZATIONS

Deengineers

An active member of the Deengineers community. Deengineers is a group of like-minded individuals who focus on guiding, advising and helping people break into the world of tech. This includes roadmaps for different pathways, career advice and helping with interview preparation.