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Top Skills

Cloud Infrastructure
GitHub
Google Cloud Platform (GCP)

Certifications

AWS Certified Solutions Architect –
Associate
AWS Learning: Architecting

Sheikh Usama Khalid

DevOps Engineer @ Cloudlit | Cloud Infrastructure
Islamabad, Islāmābād, Pakistan

Summary

I'm a DevOps Engineer with extensive experience in Kubernetes, AWS, GCP, Azure, Docker, AKS, EKS, GKE, Git, Terraform, Cloudformation, Linux, and Bash. Proven track record of successfully implementing and managing cloud infrastructure and container orchestration for large-scale projects. Strong knowledge of CI/CD pipeline and automation tools. Experience in working with multiple projects across different domains. Skilled in designing and implementing cost-efficient, highly available, and scalable solutions. Passionate about staying current with the latest technologies and industry trends.

Experience

Cloudlit
DevOps Engineer
May 2024 - Present (6 months)
Australia

- 1). Static Website Hosting: Created an S3 bucket for static website hosting, integrated it with CloudFront for optimized content delivery, and set up an NGINX proxy for custom domain routing.
- 2). S3 Bucket Codification: Automated the transfer of bucket policies, versioning, access policies, and lifecycle policies using AWS CloudFormation, and resolved role-based access issues by creating and configuring necessary IAM roles in the new account.
- 3). Lambda Function Deployment: Deployed and configured Lambda functions within a VPC, each with its security group, and set up S3 triggers for efficient event handling.
- 4). Developed an Ansible playbook to deploy the CloudWatch agent on multiple RHEL VMs, and another to check the status of the CloudWatch agent on multiple Ubuntu VMs.
- 5). Designed and implemented a serverless ETL pipeline that ingests data from the application into Amazon Kinesis Data Streams, processes the data

via Kinesis Firehose, and seamlessly delivers it to Snowflake for further analysis and storage.

CloudRiseDev

Founder

January 2024 - Present (10 months)

Islāmābād, Pakistan

Upwork

DevOps Engineer

March 2022 - Present (2 years 8 months)

1). Architected Kubernetes Infrastructure on Amazon EKS: Leveraged Terraform to build a scalable Kubernetes infrastructure, paired with a CI/CD pipeline via GitHub Actions. The result? Efficient deployments, seamless scaling, and ensured high availability.

2). Revolutionized Management for <https://www.consumerfeedback.info/> : Transitioned the site to a robust Amazon S3 static hosting solution. By automating updates via a CI/CD pipeline, I bolstered productivity, enhanced the user experience, and virtually eliminated downtime.

3). Mastered AWS Cost-Optimization: Implemented strategic cost-saving measures on an AWS account, driving down operational expenses without compromising performance.

4). CI/CD Pipeline Maestro: Devised multiple CI/CD solutions for ECS, EKS, and EC2 utilizing the agility of GitHub Actions, streamlining deployment and update processes.

5). Robust Data Backup with Powershell: Crafted a PowerShell script for comprehensive drive backups, ensuring data integrity by storing backups on a secure shared drive.

6). Implemented Cross-Account CI-CD Pipeline on AWS

Fiverr

DevOps Engineer

January 2021 - Present (3 years 10 months)

- 1). Optimized www.projectfada.com on AWS: Revitalized the platform and associated projects through efficient CI/CD pipelines, boosting deployment velocity and operational efficiency.
- 2). Architected Infrastructure for Carstream.us on AWS: Led end-to-end infrastructure development via CloudFormation. Managed an array of services - Lambdas, SQS, SNS, RDS, and WAF - with a laser focus on security via IAM policies. Leveraged CloudWatch for monitoring, culminating in heightened app performance and reliability.
- 3). Mastered ECS with CloudFormation: Crafted production-ready ECS Cluster infrastructures using Nested Stacks, ensuring streamlined service orchestration.
- 4). GuardDuty Automation with Python: Developed a Lambda-based Python script, automating the relay of AWS GuardDuty findings to SNS. This empowered developers with instant email alerts on potential threats.
- 5). SQL Schema Automation for Data Pipelines: Pioneered a Python tool that autonomously generates schemas and tables for data processing, leveraging SQL scripts housed in Amazon S3.

cloudlem

Remote Support Engineer

January 2022 - May 2023 (1 year 5 months)

Excelled as a Remote Support Engineer at Cloudlem, proficiently deploying and managing diverse websites across various AWS services.

Demonstrated expertise in AWS Lambda, Terraform, and Amazon Web Services (AWS) to orchestrate end-to-end deployments with services like EC2, S3, Lambda, RDS, CloudFront, and more.

Implemented robust CI/CD pipelines, fostering collaboration with cross-functional teams, and ensuring rigorous testing for reliability, performance, and security.

Leveraged in-depth knowledge to optimize infrastructure costs, proactively resolve performance issues, and implement advanced security measures, such as WAF and SSL/TLS encryption.

Successfully deployed fluentbit on Kubernetes and set up Prometheus and Grafana for comprehensive monitoring capabilities.

Education

Hamdard University

Associate's degree, Web Design and Development · (January 2023 - February 2025)

Punjab college

2nd year, AWS developer associate · (2019)