

Jagriti Sharma

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Address : Kondapur, Hyderabad

Experience : 5.7 year

Designation : Cloud Engineer

Date of birth : 16 Dec 1993

Language : Hindi, English

Profile Summary :

With 5.7 years of experience as a Cloud Engineer, I bring a dedicated focus on **Infrastructure as Code (IaC)** and **DevOps** practices. I have consistently optimized and automated deployment processes, with expertise in creating and maintaining IaC scripts, setting up robust **CI/CD pipelines**, and **collaborating with cross-functional teams** to enhance software delivery efficiency. My commitment to staying current with emerging technologies drives continuous improvement in **infrastructure** and **development workflows**.

- Architecting, deploying, and managing scalable, **highly available AWS architectures** for web applications to optimize resource allocation and enhance scalability.
- Deep understanding of **AWS services, encompassing compute, storage, databases, networking, security, and serverless technologies**, enabling seamless cloud deployments and operations.
- Designed **auto-scaling** solutions, dynamically adjusting resources based on **demand, optimizing performance** while minimizing costs in AWS environments.
- **Implemented security** measures, adhering to AWS best practices and industry standards, ensuring data integrity, confidentiality, and protection against security threats.
- Designed, implemented, and managed infrastructure using **Terraform** and **CloudFormation**, ensuring scalability, security, and efficiency for various projects.
- Implemented **DevOps** best practices, fostering collaboration between development and operations teams to accelerate software development and deployment cycles.
- Developed and maintained automated **CI/CD pipelines**, utilizing **CodePipeline** and **GitHub Action**, enabling seamless integration, testing, and deployment of code changes.
- Implemented **blue-green** deployments and canary releases, minimizing downtime, validating changes, and ensuring seamless user experience during deployment processes.
- **Containerized** applications using **Docker**, streamlining deployment, ensuring consistency across environments, and simplifying scaling and management.
- Developed methodologies for **cloud migration**, implemented best practices and helped to **develop backup and recovery** techniques for applications and databases on virtualization platforms.
- Designed **fault-tolerant** and **highly available AWS architectures**, incorporating redundancy, load balancing, auto-scaling, and disaster recovery mechanisms to ensure seamless operations and minimal downtime.

Key Skills :

- **AWS Services**, • **Infrastructure as Code (IaC)**, • **DevOps Tools**, • **Containerization**, • **Cloud Security**, • **Cloud Migration**, • **Configuration management tools**, • **Cloud Security**, • **HA-DR Solutions Architect**

Work Experience :

Technical Lead

Nov/2023 - Present

Trianz | Hyderabad

- Gained hands-on experience with **Concierto cloud migration tools**, facilitating seamless data transfer and infrastructure migration across cloud environments. Enhanced system compatibility and reduced downtime by implementing customized solutions.
- Collaborated with cross-disciplinary teams to coordinate and streamline cloud migration processes. Provided training and support to stakeholders, facilitating a better understanding of cloud capabilities and integration techniques using Concierto Cloud tools, which improved project alignment and stakeholder satisfaction.

Cloud Engineer

Aug/2022 - Sep/2023

Deloitte | Hyderabad

- Designed **fault-tolerant** and **highly available AWS architectures**, employing multiple **Availability Zones, load balancing**, and **auto-scaling** for critical applications, ensuring uninterrupted services.

- Implemented stringent **security measures** within AWS environments, utilizing **IAM, VPC configurations**, and **encryption protocols**, ensuring data integrity, confidentiality, and compliance with industry standards.
- Designed and implemented **Terraform, AWS CloudFormation** templates to deploy infrastructure for various web applications across **multiple accounts** and **environments**, reducing deployment time and enhancing scalability.
- Collaborated closely with cross-functional teams, particularly developers, to seamlessly integrate **Infrastructure as Code** into **CI/CD pipelines**. This integration facilitated automated deployments, enhancing collaboration and streamlining the development process effectively.
- **Built & Deployed** web application server in an agile continuous integration environment and automated Labelling activities in **AWS CodePipeline** once deployment is done.
- Collaborate with development teams to define and implement infrastructure requirements for **microservices** and **serverless architectures**.
- Implemented containerization strategies using **Docker** and **Kubernetes**, enhancing application portability, efficiency, and ease of **deployment across diverse environments**.
- Implement and maintain version control using **Git** and **GitHub**, enabling collaborative software development and code repository management.

IT System Analyst

Sep/2018 - July/2022

Yash Technologies | Hyderabad

- Design and manage AWS infrastructures with **VPC, EC2, ALB, Auto Scaling, S3, RDS, Route53**, and **IAM** for robust, scalable cloud solutions.
- Implement data **replication strategies** to ensure data consistency across multiple regions or availability zones for **disaster recovery and high availability**.
- Build and maintain **AWS VPCs, subnets, and route tables** to ensure network isolation and proper **traffic flow**.
- Configured Aws **Security Groups** which acts as a **virtual firewall** that controls the traffic for one or more **Aws EC2 instances**.
- Establish and manage **IAM users**, and **roles** in AWS to ensure secure access. Apply the principle of least privilege, enhancing overall security and minimizing unnecessary permissions for effective resource protection.
- Establish highly available AWS architectures, employing **auto-scaling, load balancing**, and fault-tolerant designs for mission-critical applications.
- Create highly available and durable **S3 storage buckets** for assets. Apply **lifecycle policies** for data retention and **backup**, and enable **Cross-Region Replication** for redundancy, ensuring data resilience and accessibility in emergencies.
- Collaborate with development and operations teams to streamline communication and enhance the **DevOps culture**.
- Implemented **Ansible playbooks** on Ansible Tower to deploy 3-tier Web applications, manage environment specific configurations, user access, Mount points and Package installations.
- Experience in the **integration, troubleshooting** and **administration** of System utilization, and resolve complex problems using best practices based on **windows** and **linux servers**.

Technical Skills :

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|-----------------|--|
| OS Platform | Linux, Windows |
| Cloud Platform | AWS, Azure |
| DevOps | CodePipeline, Cloudformation, Terraform, Kubernetes, ArgoCD, GitHub Workflow, Docker, Ansible, Concierto |
| Monitoring Tool | CloudWatch, CloudTrail, Nagios, SCOM, Solarwinds |
| Web Servers | Nginx, Apache, Unicorn |

Educational Qualifications :

Higher Studies completed from Galaxy senior secondary school, Kurud , Chhattisgarh

BCA from B.C.S Govt PG college, Dhamtari , Chhattisgarh

MCA from Pt. Ravi Shankar Shukla university , Raipur

CDAC in DITISS (Diploma in IT Infrastructure, System and Security) from CDAC Hyderabad

Date 2024/04/16

Hyderabad