AKSHAY DHONGADE

AWS CLOUD ENGINEER

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SUMMARY

AWS Cloud Engineer with 2+ years of experience in designing, deploying, and managing cloud infrastructure and DevOps practices. Hands-on experience with tools like Docker, Kubernetes, Terraform, Jenkins, and Git for building scalable and secure systems. Skilled in full-stack development using the MERN stack, with a focus on automation and improving system efficiency.

SKILLS

- **Cloud Technologies:** AWS (EC2, S3, RDS, EKS, ECR, VPC, IAM, ROUTE53, CloudFront, Cloudwatch)
- **DevOps Tools:** Docker, Kubernetes, Jenkins, Terraform, Git, GitHub
- **Programming & Scripting:** Python, Shell Scripting
- **Database:** Amazon RD, MySQL
- **Web Development:** React.js, Node.js, HTML, CSS, JavaScript, Bootstrap
- **Operating Systems:** Linux, Windows

WORK EXPERIENCE

Unisky Technologies Pvt. Ltd   **May 2023 - Present**

Project 1: E-Commerce Platform Migration to AWS

Services: Ec2,S3,RDS,ELB,VPC,Cloud Formation,Cloud Watch,RDS,IAM

Description: Led the migration of a large-scale e-commerce platform from on-premises infrastructure to AWS, enhancing scalability, performance, and cost-efficiency. The project involved redesigning the architecture to leverage cloud-native services and ensure a seamless transition with minimal downtime.

 Responsibilities:

- Created a migration strategy and roadmap for moving the e-commerce platform from on-premises to AWS.
- Architecture Design: Designed a scalable cloud architecture using AWS services like EC2, RDS, and S3.
- Migrated databases and large datasets using AWS Database Migration Service (DMS) and AWS Snowball.
- Used Terraform and AWS CloudFormation to automate infrastructure setup and management.
- Set up Auto Scaling and Elastic Load Balancers (ELB) to handle varying traffic loads.
- Configured IAM roles, Security Groups, and Network ACLs for secure access and protection.
- Implemented CloudWatch for monitoring performance and CloudTrail for logging and auditing.
- Used AWS Cost Explorer to track and optimize expenses.
- Conducted and attended the demo for clarification purpose

Project 2: Deployment of MERN Stack Application on AWS Cloud

Environment: AWS EC2, S3, RDS, IAM, CloudWatch, CloudTrail, Terraform, GitLab CI/CD, Docker, Kubernetes, Jenkins

Description: Deployed a MERN stack application on AWS Cloud with a focus on scalability, security, and cost optimization. The project involved automating deployments, enabling zero-downtime updates, and ensuring high availability and performance for end-users.

Responsibilities:

- Designed and implemented a scalable AWS infrastructure using EC2, S3, RDS, and Elastic Load Balancer (ELB).
- Wrote Terraform code to automate the creation and management of cloud infrastructure.
- Created Dockerfiles to build container images and Kubernetes manifest files for deployment, service, and pod configurations.
- Set up and configured Jenkins for CI/CD pipelines to automate application deployment and updates.
- Integrated GitLab CI/CD with Jenkins for seamless code deployment and zero-downtime updates.
- Installed and configured required software, performed patching, and resolved errors to ensure smooth application performance.
- Configured Auto Scaling and Load Balancers to handle traffic spikes and ensure high availability.
- Implemented CloudWatch for real-time monitoring and CloudTrail for auditing and security compliance.
- Optimized costs using AWS Cost Explorer and by selecting appropriate instance types and storage solutions.
- Ensured application security by configuring IAM roles, Security Groups, and Network ACLs.
- Developed a Python script to automate date-wise backups and configured a cron job to run the script every Friday.
- Collaborated with development teams to ensure seamless integration and deployment of applications.

Great Software Laboratory   **May 2022 - May 2023**

1) Vendor Management System (Frontend Developer)

- Developed and maintained React.js web application UIs to enhance user experience and functionality.
- Collaborated with teams using Git and GitLab for efficient version control and code management.
- Identified and resolved bugs logged in GitLab issue tracking, ensuring smooth feature rollouts and minimal downtime.
- Conducted comprehensive manual testing to validate team-developed features and improve product quality.

EDUCATION

Masters in Computer Application	**2019-2022**
Bachelor's in Computer Application	**2015-2018**

CERTIFICATIONS

- Microsoft Technology Associate(MTASQL)
- UI Development