

GOUTHAM C

DevOps Engineer

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SUMMARY

Aspiring DevOps Engineer with a strong foundation in Git, GitHub, Jenkins, Maven, Docker, Kubernetes, Terraform, Ansible Grafana, and AWS cloud services, seeking a challenging position to contribute my skills and enthusiasm to drive efficient and automated development operations.

EDUCATION

ACS College of Engineering

Bachelor's of Engineering in Mechanical
2021

SKILLS

- AWS Services: EC2, S3, RDS, Lambda, VPC, IAM, etc.
- DevOps Tools: Jenkins, Git, Docker, Kubernetes.
- Scripting: Shell Scripting
- Configuration management: Ansible.
- Infrastructure as Code (IaC): Terraform, AWS CloudFormation.
- CI/CD: Continuous Integration, Continuous Deployment pipelines.
- Monitoring and Logging: CloudWatch, Grafana.
- Operating System: Linux

CERTIFICATIONS

- Certified in AWS solution architect (Micro degree- AWS-2438).
- Certified in DevOps automation tools.

INTERNSHIPS

Micro Degree (Nov 2023 – Jan 2024)

- Supported the AWS infrastructure services of EC2 instances, VPCs, and security groups.
- Maintains and logs the services using the AWS cloud watch and updates the team.

PROFESSIONAL EXPERIENCE

System Engineer Trainee

Infosys Ltd | March 2022 – Dec 2022

- Completed comprehensive training programs AWS cloud Technologies at Infosys Limited, gaining expertise various areas.
- Provisioned and configured Amazon EC2 instance with the appropriate instance type, configured security group, and implemented key pair authentication for secure access based on the requirements.
- Implemented and configured AWS cloud watch to monitor and manage the performance of EC2 and also added the cloud watch alarms to trigger notification in case of threshold breaches, ensuring proactive issue resolution.
- Attaching IAM policies to relevant EC2 instances to control access permission for different user roles.
- Regularly reviewing and updating IAM policies to align with security best practices and compliance requirements.

PROJECTS:

End-to-end automated with CI/CD to host the web application – Complete integration with Git and GitHub, Jenkins, Docker, Kubernetes, ansible, and Grafana.

- Create a git repository to host the source code of a simple web application. Configure Jenkins to monitor the git repository for changes also configured to the maven for triggering the changes.
- Set up a Jenkins job to build the application whenever changes are pushed to the repository.
- Dockerize the web application using a Docker file to package it into a container.
- Utilizing maven for dependency management and consider using the Docker hub to store the Docker images.
- Utilizing a Linux-based EC2 instance to host the Tomcat Server.
- Writing the Kubernetes files i.e. (YAML files) to define the deployment of the application.
- Using the Ansible to Automate the deployment of the Kubernetes files.
- Setting up Grafana to monitor the performance and health of the deployed application running in Kubernetes.

Infrastructure as a code deploying EC2 in AWS Cloud: – Using Terraform, Git, Ansible, and AWS Cloud Watch

- Using Terraform to define and provision an AWS EC2 instance, VPC, and necessary Networking components.