SHEETAL SHARMA

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Adept DevOps Engineer with a proven track record at Minfy Technologies, enhancing deployment efficiency by 20% through CI/CD pipelines and AWS expertise. Skilled in Linux, scripting, and cross-functional collaboration, I excel in automating processes and optimizing cloud infrastructure for scalability and cost.

EXPERIENCE

APRIL 2022 TO PRESENT

DEVOPS ENGINEER

MINFY TECHNOLOGIES PRIVATE LIMITED, HYDERABAD

Developed automated deployment processes and scripts to ensure a smooth transition from development to production. Worked on multiple projects with different teams, like DB, Developers & Tester.

Responsibilities:

PROJECT

Project – 1 (Bespin Global (Traveloka))

- Review and improve existing Document DB Terraform module.
- Perform migration using either of the two defined methodologies, depending on application team's preferences and downtime requirements.
- AWS DMS
- Data export from MongoDB and data import to DocumentDB
- Create the DMS Tasks and import the JSON to Terraform.
- Configuration of Datadog to monitor DocumentDB (see logs, imported data)
- Perform sanity checks for the DocumentDB (Connectivity check)
- Perform shutdown and decommissioning of old MongoDB clusters.

Project – 2 (Loco buzz)

Loco buzz application consists of multiple modules which have its own business logic to process the user's requests. Customer is looking to create E2E pipelines to deploy on EKS cluster using AWS native tools for Staging and Production Environments only.

- Code Repository: Host the application code in a Git repository, such as AWS Code Commit.
- Build: Automate the build process using AWS Code Build, which can be used to build, test, and package code.
- Artifact Repository: Store the output of the build process, such as an executable or a container image, in an artifact repository like Amazon ECR.
- Deploy: Automate the deployment process using AWS Code Deploy, which can deploy the artifact to the appropriate environment to the EKS cluster.
- Infrastructure as Code: Use Terraform to define the infrastructure and provision AWS resources in a repeatable and automated way.
- Test: Automate testing using AWS Code Pipeline, which can execute tests against the deployed environment.
- Quality Check: Integrating code quality check tool using SonarQube
- Release: Release the application to production using AWS Code Pipeline, which can automate the process of promoting the application from one environment to the next.

Project – 3 (AMI)

Infrastructure as Code using Terraform Designed and implemented Terraform code for multiple AWS accounts: landing zone account Dev account and Production Account enabling infrastructure deployment as code.

Project – 4 (Ozonetel)

- Designed and implemented AWS infrastructure using EC2 instances, userdata, S3, and ECR for efficient containerization.
- Automated 90-day historical S3 data migration using shell scripting.
- Set up Network Load Balancers and Target Groups to optimize traffic distribution and ensure high availability.
- Provisioned Elastic IPs, NLBs, and Target Groups to improve scalability and reliability.
- Built a CI/CD pipeline with AWS CodePipeline for automated ECS deployments and integrated SonarQube for code quality.
- Configured Jenkins for CI/CD, automating the build process and pushing Docker images to ECR.
- Utilized Packer in Azure Pipelines for creating immutable images, ensuring consistency in deployments.

Project – 5 (Indus-Tower)

- Created and configured an EKS cluster with Multus CNI for advanced multi-networking support, improving network management and connectivity in Kubernetes environments.
- Created infrastructure such as EC2 instances and Code Pipeline, and automated deployments to S3 buckets using CloudFormation templates (CFT).
- Automated the database table update process using Code Pipeline and CloudFormation templates.

JUNE 2021 – AUGUST 2021

INTERN - DEVOPS ENGINEER

ADIXOOTECH, INDORE

Assisted in developing POC's during my internship, including user management, Jenkins pipeline creation, GitHub repository management, and automating multi-node package management with Ansible.

Responsibilities:

- Supported staff members in their daily tasks, reducing workload burden.
- Gained valuable experience working within a specific industry, applying learned concepts directly into relevant work situations.
- Learnt basic DevOps skills during the internship.

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AUGUST 2020 - OCTOBER 2020

INTERN - FRONT END DEVELOPER

THE MENTOR, WFH

Developed the front-end using HTML for structure and CSS for design.

- Utilized HTML, CSS, and JavaScript to create visually appealing and responsive web pages.
- Coded using HTML, CSS, and JavaScript to develop features.
- Utilized version control systems such as Git to track changes throughout the development process.

SKILLS

Operating System
- Linux, Ubuntu, Windows

Version Control tool
- Git, Svn, Cvs

Source Code Repository
- Git-Hub, Code-Commit, Azure-Repo, Gitlab, Bitbucket

Multi Cloud
- Aws, Azure, Gcp

Configuration Management
- Terraform, Ansible, Cloud-Formation

Continuous integration & deployment
- Jenkins, Code-Build, Code-Pipeline, Azure-Pipeline, GitHub-Actions

Containerization & Orchestration Technologies
- Docker, K8s, Ecs

Monitoring tool
- Cloud Watch, Data-Dog, Prometheus, Grafana

Scripting Languages
- Shell script, Python

Programming language
- Html, Css, Js, Core JAVA, Python, PHP (Basic)

EDUCATION

JUNE 2021

MASTER OF COMPUTER APPLICATION, RGPV UNIVERSITY

- Relevant Coursework: PHP training, Core JAVA
- Project: Blood Bank
- Achievements: Participated in Chess, Student of The Year Reward.
- GPA: 9.0/10.0

JUNE 2016

BACHELOR OF COMPUTER SCIENCE, DAVV UNIVERSITY

- Relevant Coursework: Oops Concept
- Achievements: Doss Boll, Chess, Singing winner
- Percent: 61%

CERTIFICATION

- AWS Certified Solutions Architect – Associate
- Terraform Associate Certification – Zeal vora

ACHIVEMENTS & INTERESTS

- Limitless horizons 2022-2023
- Student of The Year 2021
- Chess Winner in College
- Skating
- Travel
- Art
- Singing

DECLARATION

I, HEREBY DECLARE THAT ALL THE DETAILS FURNISHED ABOVE ARE TRUE TO THE BEST OF MY KNOWLEDGE.

SHEETAL SHARMA