

Mohammed Naseer Uddin

AWS CLOUD & DEVOPS ENGINEER

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CARRIER OBJECTIVE

- To obtain a challenging career in an IT industry and put my all efforts into the growth of an organization.
- An enthusiastic, punctual and an optimistic individual with excellent communication and interpersonal skills.

EDUCATIONAL QUALIFICATION

➤ B.Com

Name of the college: Anwar-ul-uloom Degree College

Year of Completion: 2015

➤ XII Standard

Name of the college: Gowtham Junior College

Board: Board of Intermediate Education

Year of passing: 2011

➤ X Standard

Name of the School: Apricot High School

Board: Board of Secondary Education.

Year of Passing: 2008

TECHNICAL PROFICIENCY

Programming Languages:

Python, SQL, NOSQL, JSON, YAML, HCL,

Operating system:

Windows, Unix, Linux, Mac os

Tools:

Aws console management services and resources, Git & GitHub, Jenkins, Docker, Kubernetes, Terraform, Ansible, Maven, SonarQube, Nagios,

Microsoft Technologies:

MS Office

SOFT-SKILLS:

- Teamwork
- Problem solving
- Communication
- Adaptability
- Critical thinking
- Time management
- Interpersonal

Languages Known: English, Hindi and Telugu

CERTIFICATIONS:

- AWS Cloud Practitioner Essentials
- Cloud Essentials – Knowledge Badge
- Solutions Architect – Knowledge Badge
- Serverless – Knowledge Badge
- Object Storage – Knowledge Badge

PROFESSIONAL EXPERIENCE:

AWS & DEVOPS engineer

FULL STACK ACADEMY [August 2023-present]

JOB RESPONSIBILITIES:

As an AWS & DEVOPS engineer my role is to ensure and manage the tasks like

*) Provision and manage AWS resources such as EC2 instances, S3 buckets, RDS databases.

*) Implement and maintain security for AWS environments. Ensure compliance with industry standards and regulations

*) Configure and manage Virtual Private Clouds (VPCs), subnets, and route tables. Set up and manage network security groups and ACLs.

*) Use tools like AWS CloudFormation and Terraform for infrastructure as code (IaC) to automate resource provisioning and management.

*) Set up and configure monitoring with use of CloudWatch for performance and health monitoring. Implement logging solutions for better visibility into the infrastructure.

*) Monitor and optimize AWS costs by right-sizing instances, utilizing Reserved Instances, and implementing cost management best practices.

*) Implement and integrate security measures into the CI/CD pipelines. Work on ensuring the security of both code and infrastructure.

*) Implement and maintain backup and disaster recovery strategies for critical systems.

*) Implement and maintain CI/CD pipelines for automated code deployment and testing. Integrate version control systems by using Git with CI/CD tools.

*) Write automation scripts for repetitive tasks and processes and Implement configuration management with Ansible.

*) Implementing Docker as a manage containerization platforms and using Kubernetes as a container orchestration tool for managing containerized applications.

*) Implement and integrate security measures into the CI/CD pipelines. Work on ensuring the security of both code and infrastructure.

PROJECTS:

- **Automated Deployment Pipeline with Jenkins and Docker:**
 - **Objective:** Implement a continuous integration and deployment pipeline for a web application.
 - **Technologies:** Jenkins, Docker, Git/GitHub, Maven.
 - **Description:** Configure Jenkins to pull source code from GitHub, build Docker images for the application, run tests, and deploy to a staging and production environment. Utilize Ansible for configuration management of deployment targets.
- **Infrastructure as Code with Terraform and AWS:**
 - **Objective:** Provision and manage AWS infrastructure using Terraform.
 - **Technologies:** Terraform, AWS (EC2, RDS, S3), Git/GitHub.
 - **Description:** Define infrastructure components (EC2 instances, RDS databases, S3 buckets) as code using Terraform. Utilize Git/GitHub for version control of Terraform configurations. Demonstrate the ability to scale infrastructure resources and manage dependencies.
- **Container Orchestration with Kubernetes:**
 - **Objective:** Deploy and manage containerized applications on Kubernetes.
 - **Technologies:** Kubernetes, Docker, Git/GitHub.
 - **Description:** Set up a Kubernetes cluster on AWS. Deploy microservices-based applications as Docker containers. Utilize Kubernetes for container orchestration, scaling, and load balancing. Showcase rolling updates and service discovery.
- **Code Quality and Security Analysis with SonarCloud:**
 - **Objective:** Ensure code quality and security compliance of a project.
 - **Technologies:** SonarCloud, Git/GitHub, Jenkins.
 - **Description:** Integrate SonarCloud with CI/CD pipeline to perform automated code quality and security scans. Configure Jenkins to trigger SonarCloud analysis on code commits and pull requests. Showcase improvements in code quality metrics over time.
- **Infrastructure Monitoring with Nagios:**
 - **Objective:** Set up proactive monitoring for infrastructure components.
 - **Technologies:** Nagios, AWS CloudWatch, Git/GitHub.
 - **Description:** Configure Nagios to monitor the health and performance of servers, network devices, and other infrastructure components. Integrate with AWS CloudWatch for monitoring AWS resources. Utilize Git/GitHub for version control of Nagios configurations.
- **Multi-Environment Deployment with Ansible and Jenkins:**
 - **Objective:** Implement automated deployment across multiple environments.
 - **Technologies:** Ansible, Jenkins, Git/GitHub.
 - **Description:** Use Ansible playbooks to automate the deployment of applications to different environments (development, staging, production). Configure Jenkins pipelines to trigger Ansible deployments based on Git commits along with tags.
- **CI/CD for Microservices Architecture:**
 - **Objective:** Implement a CI/CD pipeline for a microservices-based application.
 - **Technologies:** Jenkins, Docker, Kubernetes, Git/GitHub.
 - **Description:** Design and build a CI/CD pipeline that can handle the deployment complexities of a microservices architecture. Utilize Docker for containerization and Kubernetes for orchestration. Implementing canary deployment strategies.

DECLARATION

I hereby Declare that the above-mentioned Information is true to the best of my Knowledge and Belief.

Place:

Signature:

Date:

Mohammed Naseer Uddin