MOHAMMAD ARIF PASHA

AWS & DEVOPS ENGINEER

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CAREER OBJECTIVE:

An aspirant to AWS & DevOps with a proven track record of designing, implementing, and optimizing cloud infrastructure solutions. Leveraging extensive expertise in AWS services, automation, and continuous integration/continuous deployment (CI/CD) pipelines, I aim to deliver high-quality, scalable, and reliable solutions that meet business objectives. Passionate about driving efficiency, reliability, and innovation, I am eager to contribute my skills and experience to a dynamic team dedicated to pushing the boundaries of cloud technology and DevOps practices.

EDUCATION QUALIFICATIONS:

M.Tech (Power electronics)
SR University- 2023

B.Tech (E.E.E)
Deccan College Of Engineering and Technology
OSMANIA University-2018

TECHNICAL SKILLS:

Technology:
AWS & DEVOPS
VLSI Design verification,
Electrical designing,
Programming Languages:
Basics of C & C++, Python, SQL, NOSQL, JSON, YAML, HCL, HTML, CSS,
Verilog, System Verilog, Basics of UVM
Operating system:
Windows, Unix, Linux, Mac os
Tools:
Aws console management services and resources,
Git & GitHub, Jenkins, Docker, Kubernetes, Terraform, Ansible, Maven, Sonarcloud, Nagios, Xilinx ISE, Synopsys VCS, Cadence virtuoso, AutoCAD, Matlab, Revit,
Microsoft Technologies:
MS Office

SOFT-SKILLS:

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

CERTIFICATIONS:

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

PROFESSONAL EXPERIENCE:

AWS & DEVOPS Trainee
FULL STACK ACADEMY [August2023-present]

VLSI Design Verification Engineer
SUMEDHA TECHNOSYS Pvt.Ltd. [May2019-May2020]

JOB RESPONSIBILITIES:

As an AWS & DEVOPS Trainee 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.

*) Implement and maintain monitoring solutions for applications 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 to declare that the above stated information is true as best of my knowledge.

Date: (MOHAMMAD ARIF PASHA)

Place: