VASAVI PABBA

AWS DEVOPS ENGINEER

Hyderabad, TG 500081 ♦ +917780718546 ♦ pabbavasavi2000@gmail.com
♦ **LinkedIn:** https://www.linkedin.com/in/pabba-vasavi-441483356
♦ **WWW:** https://pabbavasavi29.github.io/vasavi/

PROFESSIONAL SUMMARY

Dynamic AWS DevOps Engineer at Speshway Solutions, skilled in automating CI/CD pipelines and implementing Infrastructure as Code. Proven expertise in Docker, Kubernetes, and AWS security best practices, enhancing deployment efficiency and resource management. Adept at fostering collaboration and optimizing cloud infrastructure for scalable solutions.

WORK HISTORY

Associate Software Engineer, 03/2023 - Current
Speshway Solutions Private Limited – Hyderabad, India

- Improved code deployment efficiency by automating processes with CI/CD pipelines.
- Maintained version control systems like Git or SVN for seamless collaboration among developers and engineers during project lifecycles.
- Designed and implemented containerization strategies using Docker and Kubernetes, improving resource utilization and management.

Project 1:
Implementation of AWS in a DevOps
Dynamic and detail-oriented AWS DevOps Engineer with expertise in implementing and managing scalable cloud infrastructure solutions, automating deployments, and optimizing CI/CD pipelines. Proficient in AWS services such as EC2, S3, Lambda, CloudFormation, CodePipeline, and ECS, with hands-on experience in deploying applications and managing infrastructure in a cloud-first environment. Adept at using Infrastructure as Code (IaC), containerization technologies like Docker and Kubernetes, and monitoring tools to ensure high availability, security, and cost optimization in cloud environments.
Technologies & Tools:

- AWS Services: EC2, S3, CloudFormation, CodePipeline, CodeBuild, CodeDeploy, ECS, EKS, Lambda, RDS, DynamoDB, IAM, CloudWatch
- Infrastructure as Code: CloudFormation, Terraform
- Containerization: Docker, ECS, EK
- CI/CD: AWS CodePipeline, Jenkins
- Monitoring & Logging: CloudWatch

- Security: IAM, VPC
- Databases: RDS, DynamoDB, S3 Glacier,MYSQL
- Programming language: Python
- Operating Systems: Linux

Project 2:

Terraform To Deploy AWS Lambda Function with S3 Trigger

As part of a cloud automation project, I utilized **Terraform** to provision and configure **AWS Lambda functions** triggered by events from an **S3 bucket**. This project involved automating the deployment of serverless applications using infrastructure-as-code (IaC) principles, ensuring scalability and efficient resource management.

Key Responsibilities:

- Designed and implemented infrastructure for deploying Lambda functions in AWS using **Terraform**.
- Configured **S3 event notifications** to trigger Lambda functions upon object creation in S3 buckets.
- Defined IAM roles and policies to secure Lambda functions and control access to AWS resources.
- Automated the Lambda deployment process, enhancing operational efficiency and reducing deployment time.
- Implemented S3 bucket notification configurations to filter specific events, such as object uploads or modifications.
- Applied best practices for managing AWS resources and security by following the least-privilege principle.

Technologies & Tools:

- Cloud Platforms: AWS (Amazon Web Services)
- Infrastructure as Code (IaC): Terraform
- Compute Services: AWS Lambda
- Storage: Amazon S3
- Security: AWS IAM (Identity and Access Management), Lambda Permissions
- Programming Languages: Python (for Lambda function options)
- Version Control: Git
- Automation Tools: Terraform CLI

Project 3:

DevOps Engineer | Dockerized Flask Application Deployment on AWS EC2 with CI/CD Pipeline (GitHub Actions & Terraform)

In this project, I spearheaded the deployment of a **Dockerized Flask application** on **AWS EC2** using **Terraform** for infrastructure provisioning and **GitHub Actions** for continuous integration and deployment (CI/CD). This solution allowed for automated application delivery, infrastructure management, and streamlined deployments in a cloud environment.

Key Responsibilities:

- Designed and implemented a CI/CD pipeline using **GitHub Actions** to automate the build, test, and deployment process for a Dockerized Flask application.
- Used **Terraform** to provision AWS infrastructure, including **EC2 instances**, **Security Groups**, **Elastic IPs**, and other resources required to host the application.
- Containerized the Flask application using **Docker**, ensuring a consistent and portable deployment environment.
- Configured **GitHub Actions workflows** to automatically build Docker images, push to Docker Hub, and deploy the application to EC2 instances.
- Established **AWS EC2 security groups** to control traffic and ensure secure access to the deployed application.
- Implemented **Terraform modules** to automate and manage the infrastructure lifecycle in a version-controlled, repeatable manner.
- Ensured best practices for security, scalability, and performance while deploying and managing the application on AWS.

Technologies & Tools:

- Cloud Platforms: AWS (Amazon Web Services)
- Compute Services: AWS EC2
- Containerization: Docker
- Web Framework: Flask (Python)
- Infrastructure as Code (IaC): Terraform
- CI/CD Tools: GitHub Actions
- Version Control: Git
- Security: AWS Security Groups, IAM (Identity and Access Management)
- Networking: AWS VPC (Virtual Private Cloud), Elastic IP
- Container Registry: Docker Hub
- Programming Languages: Python (Flask), Bash (for GitHub Actions workflows)

Skills

AWS security best practices (S3,RDS,EC2,IAM,VPC, etc...,)

Monitoring and logging

Docker and Kubernetes experience

Infrastructure as Code

Jenkins automation

Jenkins CI and CD

MySQL databases

Education

Bachelor of Science: Agriculture, 05/2017 - 05/2021

Dr. Panjabrao Deshmukh Krishi Vidyapeeth - Akola, India

- Percentage 79%

Intermediate: BIPC, 06/2016 - 04/2017

Sri Chaitanya Junior College - Hyderabad, India

- Percentage 95%

10th: 04/2014 - 04/2015

SR Digi School - Warangal, India

- Percentage 95%

CERTIFICATIONS

AWS Cloud Practitioner Essentials Certificate

Issued: April 2025

Successfully completed the AWS Cloud Practitioner Essentials course, gaining a foundational understanding of AWS services, cloud architecture, and cloud computing principles.

AWS Educate Introduction to Cloud 101 Badge

Issued: April 2025

Earned the AWS Educate Introduction to Cloud 101 Badge, demonstrating a basic understanding of cloud computing principles and AWS cloud offerings.

AWS Educate Getting Started with Storage Badge

Issued: April 2025

Earned the AWS Educate Getting Started with Storage Badge, demonstrating understanding of AWS storage solutions and their use in cloud-based applications.

AWS Educate Machine Learning Foundations Badge

Issued: April 2025

Earned the AWS Educate Machine Learning Foundations Badge, demonstrating a solid understanding of machine learning principles and the use of AWS services to build models.