Harshkumar Rupala
Cloud Engineer
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SUMMARY

- 4+ years of professional experience as a Cloud Engineer - Build and Release Engineer in Automating, Building, Deploying, Managing, and Releasing code from one environment to another environment and maintaining Continuous Integration, Delivery, and Continuous Deployment in multiple environments like Developing, Testing, Staging, and Production.
- Understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, and Waterfall methodologies.
- Expertise in creating Docker containers building Docker images pushing those images to the Docker registry and deploying and maintaining Microservices using Docker.
- Experience in Configuring Chef server, and Chef Workstation, bootstrapping various enterprise nodes, and automating the cloud deployments using Chef, Ruby, and AWS Cloud Formation Templates.
- Experience in Designing, Installing, and Implementing Ansible configuration management system and writing Playbooks for Ansible using YAML for maintaining roles and deploying applications.
- Expertise in Configuring CI/CD pipelines and setting up Auto trigger auto build and Auto deployment with the help of CI/CD tools like Jenkins.

EDUCATION

Master in Computer Science | California State University, San Bernardino, CA
Bachelor in Computer Engineering | Gujarat Technological University, Ahmedabad, Gujarat

CERTIFICATION

Learning Python.
AWS Essential Training for Developers.
AWS Technical Essentials.

SKILLS

Methodologies: SDLC, Agile, Waterfall
Cloud Platforms: AWS (Amazon Web Services), Azure, Google Cloud Platform (GCP)
Infrastructure as Code: Terraform, AWS CloudFormation, Azure Resource Manager (ARM), Google Cloud Deployment Manager
CI/CD Tools: Jenkins, GitLab CI/CD, Circle CI, Travis CI
Scripting Languages: Bash Scripting, Python, PowerShell
Networking: TCP/IP, DNS, VPN, VPC, Load Balancing
Monitoring & Logging: Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Splunk
Security: IAM (Identity and Access Management), Security Groups, SSL/TLS, Firewall Configuration
Database Technologies: MySQL, PostgreSQL, MongoDB, Amazon RDS
Operating Systems: Linux (Ubuntu, CentOS, Red Hat), Windows Server
DevOps Tools: Git, Jenkins, Docker, Kubernetes, Terraform, Ansible, Puppet, Chef, AWS CLI, Azure CLI

EXPERIENCE

Cigna Healthcare, USA | Cloud Engineer   June 2023 - Present

- Embraced Agile principles of flexibility and adaptability to respond to changing requirements and deliver cloud solutions iteratively.
- Involved in writing Jenkins files by using Groovy Scripts for building CI/CD pipeline for automation of Shell Scripts.
- Automated the tasks using Ansible Playbooks migrating the servers with the required configuration changes and testing and deploying the machines using Ansible Commands.
- Configured, supported, and maintained all Network, Firewall, Load balancers, and Operating systems in AWS EC2 and created detailed AWS Security groups that behaved as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Configured a Kubernetes Cluster on managed, a production-ready environment for deploying containerized applications and deployed the Kubernetes dashboard to access the cluster via its web-based user interface.
- Managed MySQL database instances in cloud environments, including provisioning, configuration, and optimization for performance and scalability.

Rlogical Techsoft Pvt. Ltd, India | Cloud Engineer   May 2018 - July 2021

- Engaged in detailed planning and documentation phases at the outset of projects adhering to Waterfall methodologies.
- Designed and implemented cloud infrastructure solutions using Infrastructure as Code (IaC) tools such as Terraform, AWS CloudFormation, Azure Resource Manager (ARM), and Google Cloud Deployment Manager.
- Implemented and maintained CI/CD pipelines using Jenkins, GitLab, and to automate software delivery and deployment processes.
- Used Data prep for converting the Raw data to the Redefined data and used a Cloud Storage bucket for storing that data and from Cloud Storage exported the data to PostgreSQL and the Big Query.
- Orchestrated Puppet runs and agent deployments to enforce desired state configurations and ensure infrastructure consistency.
- Deployed and managed Splunk for log aggregation, search, and analysis, enabling real-time monitoring and alerting of cloud infrastructure.
- Configured and troubleshooted TCP/IP network protocols to ensure reliable communication between network devices and applications.
- Designed MongoDB data models and indexes to optimize query performance and data retrieval efficiency.