RAJ KAMAL CHIRALA

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Professional Summary

Software Engineer with 3.5 years of experience. Automated infrastructure provisioning for product teams using tools like Ansible and Terraform. Skilled in shell scripting for infrastructure automation. Solid foundation in cloud platforms (VMware, AWS) for building secure and scalable solutions. Adept at agile methodologies to ensure efficient deployments. Proven ability to develop scripts and tools that enhanced operational efficiency. Committed to leveraging technical skills and industry knowledge.

Technical Skills

- Languages: Python, Bash, PowerShell, MySQL, MongoDB(basics)
- Infrastructure as Code: Terraform, Ansible
- CI/CD Tools: Jenkins
- Tools: Git/GitHub, JIRA, HashiCorp Vault, Kubernetes (basics), Dynatrace (basics)
- Cloud Platforms: VMware, AWS, Azure
- Operating Systems: Linux, Windows
- Other: Data Structures and Algorithms, Agile, Text Processing (awk, grep, sed and regex)

Experience

Professional 1 Product Developer - DXC Technology, India   October 2022 - Current

- Orchestrated Jenkins pipeline creation with a team member, automating VM provisioning and integrating pull request triggers for job execution, notified by email status notifications.
- Engineered Ansible scripts for automated deployment of security tools (Qualys, CrowdStrike) and MFSA agents, slashing installation time by 95%.
- Developed PowerShell scripts utilizing VMware cmdlets for automated VM snapshot management, resulting in an 80% time reduction.
- Enhanced security with a dynamic Ansible script retrieving encrypted passwords from HashiCorp Vault via API calls, replacing vulnerable passwords in GitHub repositories, bolstering data integrity and mitigating security risks.
- Improved DNS entry reporting and reliability by devising a robust bash script for email notification and automated re-registration of lost entries, complemented by a Python script for scheduled reporting to a designated team channel.

Associate Professional Software Engineer – DXC Technology, India   July 2020 – Sept 2022

- Led VM provisioning with Terraform in VMware-vSphere, enhancing product development capabilities through robust infrastructure.
- Offered expert technical support to product teams in VM management, including snapshot orchestration, disk expansion, partitioning, package installation, and resource allocation.
- Maintained server integrity with regular OS and security updates, ensuring reliability and safety for operational excellence.
- Spearheaded creation of a metrics report, driving cost reduction and resource optimization, thereby enhancing efficiency in resource management.

Certifications

- HashiCorp Certified: Terraform Associate (003).
- Microsoft Azure Fundamentals issued by Microsoft.
- Introduction to AWS Identity and Access Management issued by Coursera.

Personal Project

Text to Audio Converter - [GitHub Code]

- ***Tech stack and resources used:*** Terraform, AWS (Polly, Lambda, S3, DynamoDB, API Gateway, SNS), JavaScript, HTML
- Developed a project to convert text to audio using AWS Polly and other AWS services, deployed on AWS Free Tier.
- Gained hands-on experience with AWS services and terraform, including creating IAM policies, roles, Lambda functions, and other resources.

Education

B. Tech in Electronics & Communication Eng. 2016 – 2020

CMR College of Engineering and Technology, Affiliated with JNTUH University from Hyderabad.