SURYA TATIKAYALA

Associate DevOps Engineer

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CAREER SUMMARY:

Experienced **DevOps Engineer** with 3+ years of expertise in automation, cloud infrastructure, and CI/CD pipelines. Skilled in designing and optimizing scalable solutions, enhancing system reliability, and streamlining deployment processes. Passionate about driving operational efficiency and delivering high-performance, innovative solutions.

PROFESSIONAL EXPERIENCE

Associate DevOps Engineer

MAY 2023 – PRESENT

Skills: Terraform, Ansible & Ansible Tower, Jenkins, GitHub Actions

- Extensive experience using **Terraform** as an Infrastructure-as-Code (IAC) tool to configure, manage, and automate infrastructure across multiple projects.

- Designed, developed, and optimized Terraform code to define, deploy, and manage scalable infrastructure in cloud environments like **AWS and Azure**.

- Led and executed successful cloud migration projects using **Terraform**, ensuring seamless transitions and minimal downtime.

- Proficient in **Terraform Cloud** for collaboration, remote state management, and governance, including managing **workspaces**, **state files**, and **environment isolation**.

- Expertise in **Terraform Modules, Providers, Provisioners, Vault integration**, and leveraging locals, **variables**, and JSON files for modular and reusable code structures.

- Integrated Terraform with **Ansible** to automate playbooks, enabling streamlined provisioning and configuration management.

- Hands-on experience with **Jenkins** for creating, managing, and optimizing **CI/CD** pipelines to automate software delivery processes.

- Developed version-controlled, modular, and reusable **CI/CD** pipelines to enhance efficiency and reliability across projects.

- Basic experience with **GitHub Actions** for automating workflows and integrating with existing **CI/CD** processes.

Associate Technical Engineer

APRIL 2022 – MAY 2023

Skills: Linux, Windows, Git, Ansible & Ansible Tower

- Proficient in creating robust **Ansible playbooks** for automating deployments, configuration tasks, and infrastructure management.

- Hands-on expertise with **Ansible Tower**, including setting up projects, job templates, workflows, and credentials. Skilled in onboarding servers, managing inventories, and scaling automation through centralized control.

- Strong knowledge of **Git** for version control, integrating **Ansible playbooks with Ansible Tower**, and enabling **CI/CD** workflows across multiple environments.

- Expertise in troubleshooting and resolving issues in **Ansible and Ansible Tower**, ensuring reliable automation and minimizing downtime during **playbook** execution.

- Proven ability to optimize workflows, onboard servers securely, and automate critical tasks to enhance operational efficiency.

- Skilled in using Git for collaboration, maintaining Ansible projects, and monitoring repository changes to ensure best practices in infrastructure automation.

- Adept at leveraging Ansible for **infrastructure automation**, including server configuration, security compliance, and continuous improvement of operational processes.

TECHNICAL SKILLS:

- Cloud Platforms: **AWS Cloud, Microsoft Azure and Terraform Cloud**
- Tools and Technologies: **Ansible, Ansible Tower, Terraform, Git, Jenkins**, **GitHub Actions**
- Artificial Intelligence: **Machine learning and Deep learning models**
- Programming language: **Python, YAML**
- Operating systems: **Windows, Linux based.**
- Basics of databases - **MYSQL, ORACLE DB, SQL**.
- Proficient in the basics of **Shell and Bash Scripting**.
- Excellent problem-solving and analytical abilities.
- Effective communication and teamwork skills.
- Ability to learn new technologies quickly and adapt to changing environments. Troubleshooting and Support.
- AWS services such as **EC2, S3, RDS, IAM, VPC, Cloud Watch** familiar with deploying and managing cloud resources
- Azure services such as **Active Directory, CDN, VNETS, Virtual machines, Azure Functions**.

CERTIFICATIONS:

- **AWS Certified Cloud Practitioner:** Demonstrated foundational knowledge of AWS Cloud concepts, services, and terminology.
- **Microsoft Certified: Azure Fundamentals (AZ-900):** Acquired essential understanding of Azure services, cloud concepts, and core solutions.
- **Microsoft Certified: Azure Administrator Associate (AZ-104):** Proven skills in configuring, managing, securing, and administering Microsoft Azure environments.
- **Terraform Associate (002):** Proficient in infrastructure as code (IAC) using Terraform, including core concepts, best practices, and cloud provisioning.
- **Certified AI Engineer** (Reva University): Validated expertise in artificial intelligence, machine learning, and deep learning concepts

EDUCATION:

2022 - 2024 | Adikavi Nannaya University - **Rajahmundry**

   MCA – Masters of Computer Science

   Scored 74% on overall University board exams.

2012 - 2022 | Adikavi Nannaya University - **Rajahmundry**

   BSc - Bachelor of Computer Science

   Scored 92% GPA on all overall examinations.

Passionate Portfolio:

Speaker Recognition Voice based system:

   This project contains well-trained deep learning models to predict the **Speaker** and their **Gender**

GIT: https://github.com/suryaT1/AuthEcho_project.git
Hugging Face: https://lnkd.in/gWGRpY_j
Tools: ML , DL , Python , Tensorflow and Gradio.

Ansible Log detector:

   Model will identify the error and suggests the solutions based on Ansible Logs.

Hugging Face: https://huggingface.co/spaces/SuryaT1/Ansible_Log_Analyzer
Tools: ML, Python ,Tensorflow and Gradio.