Pavan Kumar Daggupati

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PROFESSIONAL SUMMARY

DevOps and Cloud Engineer with **3 years** of experience specializing in automating deployment pipelines and managing cloud infrastructure. Proficient in using **Terraform** for infrastructure as code, **Kubernetes** for container orchestration, **Docker** for containerization, and **Jenkins** for continuous integration and delivery. Experienced in leveraging **AWS services** to optimize **cloud** environments and ensure system scalability and reliability. Adept at environment provisioning across **Windows** and **Linux** platforms and committed to enhancing deployment processes through automation and innovative cloud solutions.

WORK EXPERIENCE

Working as a **System Engineer-Digital** at **TCS** since **Nov 2021**, contributed as an **AWS admin** in an **R&D** project, played a key role in a 5G telecom project, and served as a **DevOps** and **Cloud Engineer** on a **Platform Engineering Solution** (**EEaaS**), leveraging Kubernetes, Jenkins, and automating CI/CD pipelines while optimizing cloud infrastructure.

Roles, Responsibilities & Work:

- Skilled in setting up Dev,QA, UAT, and Production environments, including **VPC** configuration and subnetting.
- Proficient in **GIT** for source code management, ensuring safe repository operations through scheduled backups.
- Expertise in **Maven** for artifact generation and **Nexus** repository management.
- Designed **Jenkins** workflows for automated environment readiness and **CI/CD** pipelines for seamless product releases.
- Experienced in **Docker** for efficient container management and **Kubernetes** for container orchestration.
- Utilized **Terraform** for infrastructure as code (IaC) to provision and manage AWS resources.
- Collaborated on infrastructure setup and configuration with **AWS** services such as **EC2**, **S3**, **IAM**, **EKS**, **ELB**, **ECR**, and **Systems Manager**.
- Hands-on with AWS services like **CloudWatch** for monitoring and **Compute Optimizer** for resource optimization.
- Utilized **Grafana** for advanced monitoring and visualization of system metrics.
- Developed release automation using **Ansible** for streamlined workflows.

SKILLS

Technical Skills:	:	DevOps, Cloud Computing, AWS, Azure, Kubernetes, Jenkins
Tech Stack	:	CI/CD Pipelines, Docker, Kubernetes, Terraform, Ansible, Git, GitLab, Jenkins, Infrastructure as Code (IaC), Linux, Bash Scripting, Networking, Monitoring (Prometheus, Grafana) Container Orchestration, Load Balancing, Apache/Nginx, Automation, Python, YAML, JSON, Configuration Management, Security Best Practices, AWS CloudFormation, ELK Stack
Interpersonal Skills	:	Agile Methodologies, Problem Solving, Analytical Thinking, Communication, Collaboration, Troubleshooting, Documentation, Time Management

EDUCATION

B.Tech (Mechanical Engineering)	**Sree Vidyanikethan Engineering College, Tirupati**	**2016 – 2020**	**CGPA:7.8**

CERTIFICATIONS & AWARDS

- AWS Cloud Practitioner Certificate (see certificate), Google Cloud Certified Associate Cloud Engineer (see certificate)
- Achieved a Digital Profile on Successful completion of Elevate Wings.
- Star Performer of the Quarter, Xcelerate Warrior by TCS for the exceptional work in 2023.
- Received the Elevate Wings awards on successful completion of DevOps Assessment.