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| **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.

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| **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.

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| **SKILLS** |

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| **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 |

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| **EDUCATION** |

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

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| **CERTIFICATIONS & AWARDS** |

* AWS Cloud Practitioner Certificate ([see certificate](https://cp.certmetrics.com/amazon/en/public/verify/credential/9eae1c96b2d94c7bab8c318ceafbc9cf)), Google Cloud Certified Associate Cloud Engineer ([see certificate](https://google.accredible.com/61b54f93-decc-40d7-992d-81db1f07fd82))
* 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.