Venkatesh Padala
Cloud and DevOps Engineer

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DevOps Engineer with 11+ years of IT experience, including 7+ years specializing in cloud automation, CI/CD, and infrastructure as code (IaC). Expertise in designing and managing scalable, high-availability architectures in AWS and GCP, leveraging Terraform, Kubernetes, and Ansible for seamless infrastructure provisioning and deployment. Proficient in CI/CD pipeline automation using Jenkins, GitOps, and Helm, optimizing software delivery and reducing manual intervention. Passionate about cloud-native technologies, security automation, and driving operational excellence.

Experience

Thoughtworks — Senior Consultant
Sep2023 – Till Date — Bengaluru, KA

- Leading a team of 5, and providing guidance and oversight to ensure the effective completion of tasks and successful implementation of projects.
- Collaborated with cross-functional teams, including developers and API teams, to streamline tasks and enhance workflow efficiency, ensuring smooth integration of services and timely completion of project milestones.
- Reduced manual intervention, improving deployment efficiency and enhancing system reliability through continuous integration and delivery (CI/CD) pipelines.
- Leveraged Terraform for infrastructure as code (IaC) and Helm charts for seamless deployment of microservices.
- Architected and implemented a highly available Kong Gateway solution in AWS with active-active DR setup, ensuring high availability and failover across AWS regions.
- Created automated CI/CD pipelines for deploying Kong updates and custom plugins across multiple environments (DEV, UAT, PT, PROD).
- Automated and implemented CI/CD pipeline to create Service and routes in Kong using deck utility.
- Led the migration of MuleSoft applications from on-premises infrastructure to AWS, ensuring smooth transition.
- Resolved vulnerabilities across applications and infrastructure, implementing robust security measures to enhance overall system security and compliance.
- Automated manual tasks using shell scripting.

IBM — Infrastructure specialist
April 2020 – Sep 2023 — Bengaluru, KA

- Managed and guided a team of 4 members to successfully complete tasks and implementations, ensuring to meet client SLAs.
- Designed and implemented automation for infrastructure provisioning and CI/CD pipelines, streamlining deployment processes.
- Utilized Terraform for provisioning GCP infrastructure like Compute instance, Cloud SQL, Kubernetes clusters, IAM etc...
- Migrated complete CI/CD pipelines from Jenkins to GitHub actions and cloud build.
- Migrated 20+ applications from on-premises infrastructure to a multi-cloud architecture, optimizing performance, scalability, and cost-efficiency across diverse cloud platforms.
- Developed log-based metrics in Google Cloud Platform (GCP) to monitor application performance, ensuring proactive issue detection and optimization.
- Automated manual tasks using bash scripts to streamline processes and reduce manual effort.

Technical Skills

GCP (Compute, IAM, VPC, Storage, functions, Database, Kubernetes, Pub-Sub, cloud build, load balancer)

AWS (EC2, IAM, VPC, S3, RDS, EKS, load balancer)

Oracle Cloud Infrastructure (Compute, VCN, Storage, Database, OKE)

Jenkins, **GitHub Actions**, GoCD, Spinnaker, **Shell Scripting**, **Terraform**, Docker, Ansible, **Kubernetes**, **Helm**, Jforg, Terragrunt, HAProxy, Nginx

VMWare ESXi, vSphere vCenter

ELK (Elasticsearch, Filebeat, Logstash, Kibana), **Grafana**, **Prometheus**, **Jaeger** Tracing, Open Telemetry

Linux (Ubuntu, RHEL), Windows Server

Certifications

- Google Cloud Associate Cloud Engineer
- Google Cloud Professional Cloud Architect

Education

MCA Under J.N.T.U Kakinada from Sri Vani School of Management
Pass out: 2009 - 2012

Personal Details

Marital Status: Married

Languages: Telugu, English, Hindi

- Created and built Docker files and handled end-to-end CI/CD deployments on GKE using Helm charts.
- Resolved vulnerabilities across various systems, ensuring security compliance and robust infrastructure protection.

Msys Technologies   Sep 2016 – April 2020
Senior Technical Support Engineer   Bengaluru, KA

- Maintain applications in on Prem and AWS infrastructure.
- Taking application and database backups and make sure application is up and running.
- Responsible for managing end-to-end CI/CD automation from development to deployment on local on-prem, and cloud platforms.
- Production deployments and pre/post-deployment validation.
- Responsible for creating and managing AWS services like VPC, EC2, S3, RDS etc…
- Writing Jenkins pipeline codes for various build stages on Jenkins.
- Developed automation scripts in bash to streamline repetitive tasks, optimize workflows, and reduce manual effort.
- As a part of the responsibility, maintaining updated documents/runbooks for our NOC team to follow

Imedx,Inc   Nov 2013 - Sep 2016
Associate Datacentre Operations   Hyderabad, Telangana

- Installed, configured, and managed virtual infrastructure and VMware clusters, enabling HA, DRS, and FT features.
- Created and managed resource pools, virtual machines, templates, and datastores.
- Configured virtual switches, NIC teaming, and performed VM snapshots, cloning, and migrations (P2V, V2V, VMotion, SV Motion).
- Monitored and maintained server health, disk, memory, and CPU utilization using monitoring tools.
- Managed Active Directory tasks, including user management and security group configuration.
- Handled incidents ranging from low to critical within SLA, performing root cause analysis and troubleshooting.
- Installed and configured Red Hat Linux OS, maintained UNIX/Linux systems for optimal performance.
- Experienced with services like Java, Apache, MySQL, and shell scripting.
- Conducted firmware upgrades, managed RAID partitions, and coordinated with vendors during hardware failures.
- Applied latest service packs using WSUS and managed servers remotely via DRAC during failures.
- Worked in 24/7 work environment.