

K Rajesh Varma

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**5+** Years of experience as DevOps engineer with demonstrated history of working in IT and services. My Expertise technologies include AWS, CI/CD with Jenkins, Containerization with docker, and orchestration with kubernetes, monitoring with prometheus and grafana, IAC with terraform.

#### Professional Summary:

- **5+ Years** of experience as a **DevOps Engineer**.
- Experienced in working with Microservice applications.
- Experienced in creating, configuring and maintaining Infrastructure on AWS Cloud services including **EC2, ECR, EKS, S3, RDS and IAM**.
- Experience in writing **Terraform** modules, and re-using them to create infrastructure.
- Experienced in **Jenkins** for creating and maintaining CI/CD pipelines.
- Hands-on experience using bash and python scripting for automating day to day activities and tasks.
- Expertise on **Docker, Kubernetes and Helm charts**.
- Strong work ethic with good Interpersonal and Organisational skills.

#### Work Experience:

- Working as DevOps Support Engineer at Talentica software India pvt ltd

#### Technical Skills:

- **AWS Cloud Services:** EC2, ECS, ECR, EKS, IAM, S3
- **CI/CD Tools:** Jenkins.
- **Languages:** YAML, Groovy, GO
- **Operating System:** Linux
- **Containerization and Orchestration:** Docker and Kubernetes
- **IAC Tool :** Terraform
- **Bug/Defect Tracking Tool:** JIRA
- **Monitoring Tool:** Prometheus and Grafana.
- **Security vulnerability tools:** Trivy and Snyk.
- **Secret Management:** Hashicorp vault
- **API management:** Tyk

#### Professional Experience:

**Employer:** Talentica Software India Pvt Ltd (Sept 2020 to Present)

**Environments:** AWS, Terraform, BitBucket, Jenkins, SonarCloud, Nexus, Docker, Kubernetes, Helm, Snyk, Trivy, Vault, Tyk, LogDna, Rancher, Prometheus, Grafana.

#### Roles and Responsibilities:

- Creating, configuring and maintaining Infrastructure on AWS Cloud services including EC2, S3, IAM, EKS, ECR, WAF, ALB, Route53.
- Created terraform modules for AWS resources EC2, S3, IAM, ECR, WAF etc which reduces manual effort by 60%.
- Created, Configured and maintained Multibranch CI/CD pipelines in Jenkins for continuous deployment to production.
- Created EKS cluster from scratch using terraform, Automated the provisioning of EKS Add\_ons.
- Worked with package manager Helm to create Helm charts from scratch and store them in the Chart museum.
- Created Vault for secret management from scratch, and integrated it with kubernetes and Jenkins.
- Worked with Snyk for security vulnerabilities at source code level, and integrated with Jira for automated ticket creation.
- Worked with Trivy for security vulnerabilities in Docker images and resolved them accordingly by building new docker images.
- Worked with different microservice applications, and created multiple API gateway authentications from TYK as per the requirements.
- Configured and Maintained LogDna agent for logging all the pod level/server level logs.
- Worked with Rancher for multi-cluster orchestration platform, managing and securing enterprise Kubernetes.

- Worked with Prometheus and Grafana for Observability of all the applications and Services.
- Created multiple customised grafana dashboards as per the requirements.

**Employer:** Ness Technologies, Bangalore (July 2018 - Aug 2020)

**Environment:** GitHub, Jenkins, Maven, SonarQube, Nexus, Tomcat, Terraform, AWS, Linux

**Role and Responsibilities:**

- Creating, configuring and maintaining Infrastructure on AWS Cloud services including EC2, S3, IAM, VPC, Subnets, ALB, Route53.
- Creating IAM policies, Roles and user management for delegated access within AWS.
- Created terraform modules for AWS resources EC2, S3, IAM etc which reduces manual effort by 60%. Imported existing infrastructure in AWS to terraform as well.
- Created CICD pipeline for terraform execution in jenkins.
- Worked with Github for version control, and managed webhook configurations in github with jenkins.
- Created CICD pipelines for continuous deployment of applications to integration and production environments which reduces 40% of manual effort.
- Worked with release managers to schedule and implement the releases into production.
- Worked with multiple plugins in jenkins to integrate tools likes github, sonar, etc with jenkins.
- Troubleshooting and resolving technical issues related to Linux servers, applications, and services.
- Collaborating with developers and other stakeholders to ensure smooth integration of code changes and updates.

**Education :**

- B.Tech (Electronics and Communications Engg.), JNTU, Anantapur.

**Declaration:**

I hereby declare that the information given above is true to the best of my knowledge.