rajeshdj2013@gmail.com

+91 9884319487

Chennai, IN

www.linkedin.com/in/
rajeshbabudevops

rajeshjc

Rajesh Babu J C

DEVOPS AND AWS CLOUD ENGINEER

SUMMARY

Results-oriented DevOps Engineering professional with 1 year of hands-on project training experience in implementing and maintaining CI/CD pipelines, automating software development processes, and optimizing deployment efficiency through containerization technologies like Docker and Kubernetes. Proven expertise in version control, infrastructure as code (Terraform), and implementing security best practices. Has a good knowledge of cloud administration solutions like AWS and Data Monitoring solutions like Grafana, prometheus. Adapt at fostering collaboration and contributing to innovative projects to bring technical excellence.

KEY SKILLS

• CI/CD Automation • Containerization Technologies • Infrastructure as Code (Terraform) • Automated Testing Integration • Blue-Green Deployments • Version control system • Git • Agile Development practices • Configuration Management • Incident Response •Performance monitoring • AWS IAM • AWS CLI • EC2 • AWS EBS • AWS LB • AWS ASG • AWS Database RDS Aurora Elasticache • AWS Monitoring Cloudwatch • AWS Route 53 • Amazon S3 • Amazon Cloudfront • Aws Datasync •AWS SQS and SNS • AWS Data Analytics • Networking • AWS Disaster recovery • Grafana monitoring • Prometheus monitoring •loki monitoring

CERTIFICATION

- DevOps Certification
- AWS Certified Solutions Architect training
- Bash Scripting and Shell Scripting (Linux)
- Observability with Grafana, Prometheus, Loki training
- Agile Scrum Master
- Agile Scrum Foundation

TECHNICAL SKILLS

- **Tools & Languages**: Jenkins, Git, Docker, Kubernetes, Ansible, Terraform, AWS
- **Monitoring & Troubleshooting:** Prometheus, Grafana, AWS-Cloudwatch
- **Deployment Strategies & Collaboration**: Git, Jenkins, Docker, Kubernetes

EDUCATION

Post Graduate Program in DevOps
Sep '23 - Mar '24

Caltech University (USA) with Simplilearn | Chennai, TN, IN

M.E – Computer Integrated Manufacturing
Aug '12 - Apr '15

Anna University, CEG, Guindy | Chennai, TN, IN
- CGPA: 8

M.B.A - Human Resource Management
Aug '10 - Apr '12

Periyar University | Salem, TN, IN
- Percentage: 64.3%
- Correspondence mode

Bachelor's in Mechanical Engineering
Jul '04 - Apr '08

Sriram Engineering College, Anna University | Chennai, TN, IN
- Percentage : 69%

PROFESSIONAL EXPERIENCE

Mechanical Engineer - Operations
Feb '21 - Sep '23

MRM Engineering works | Bangalore, KA, IN

Manager
Sep '20 - Dec '20

Kaynes Technology | Mysore, KA, IN

Manager - Manufacturing and Inventory
Aug '16 - May '20

Telekonnectors Limited | Chennai, TN, IN

Mechanical Engineer
Jul '08 - Mar '16

Nirai tech Solutions | Chennai, TN, IN

ACADEMIC PROJECTS

Project 1: CAPSTONE PROJECT - Creation of a sample insurance website application - ASI Insurance
- Creation of the Dockerfile, Jenkins file, Ansible playbook, and the source file for the static website
- Creation of the Jenkins pipeline using maven script to perform CI/CD for a Docker container
- Setting up the Docker remote host on AWS and configure deploy stage in pipeline
- Accessing the deployed application on Docker container

Project 2: Build a Docker Jenkins Pipeline to Implement CI/CD Workflow
- Utilized Docker to create an application image from a Dockerfile & upload it to Docker Hub, **optimizing application deployment processes**
- Maintained a single application code in Git Hub using Git for **seamless connection & management of various code types**, ensuring robust version control practices

- Linux training
- Configuration Management with Ansible and Terraform
- Kubernetes with IBM
- Container Orchestration Using Kubernetes
- Docker with IBM
- Docker Certified Associate Training
- DevOps Capstone Project Training
- Caltech CTME DevOps Academic Master Class
- Diploma in Operations management
- The Kanban system - Lean Scheduling and Management approach to Just In Time
- Basics of Lean SIX SIGMA : Green belt

- Employed Linux (Ubuntu), Git, Docker, & **Jenkins** to drive the project, harnessing their seamless integration capabilities for executing development & deployment tasks

Project 3: CI/CD Deployment Using Ansible CM Tool

- Enhanced deployment accuracy through the integration of Jenkins server as an **Ansible provisioning machine with Git & Docker**, utilizing Ansible playbooks & roles for streamlined tasks such as deploying, pushing, pulling, & building while automating image creation & code deployment
- Optimized automation efficiency through the integration of **Ansible plugins** within the Jenkins CI server setup
- Designed Ansible playbook for streamlining Maven build execution on Jenkins CI server, incorporating **automation & DevOps skills**
- Developed an Ansible playbook for **seamless execution** of deployment tasks on remote web containers, incorporating automatic restart of the web container post-deployment

Project 4: Create a Docker Image and Deploy It on a Swarm Cluster

- Leveraged Docker CLI to build & deploy the **Docker image on Swarm cluster** utilizing DevOps tools
- Managed the publication of the **demo alpine image on Docker Hub** for convenient storage

Project 5: Deploy the Application Using the Kubernetes Dashboard

- Verified, created, & managed service, token, & persistent volume operations using **Kubernetes**, enhancing understanding of core concepts
- Configured NFS server with Kubernetes for **seamless file accessibility as if stored locally**
- Crafted a secure & efficient **secret & configMap** for deployment in a Kubernetes environment to enhance security measures & deepen understanding of the related concepts

Project 6: Backing up the Etcd Cluster Data

- Ensured data accessibility by creating & verifying namespaces using **Kubernetes technology**
- Generated a certificate & private key in the worker node using **openssl** to facilitate secure communication
- Upgraded the Kubernetes cluster to version v1.28.7, leading to **enhanced scalability** & improved resource management

ADDITIONAL INFORMATION

- Languages**: English, Hindi, Tamil, Telugu, Kannada.**
- **Address : No: 25/68, Door no: G2, Diamond Coral County, Varadharajan street, Vetri nagar, Jawahar nagar, Chennai - 600082.**