PRAVEEN KUMAR SETTY

DevOps Engineer

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Profile Summary

IT professional with over 3 years of experience in managing and optimizing systems and automating workflows. a commitment to continuous learning, and a strong desire to acquire new skills. I am currently seeking an opportunity with an organization where I can further develop my expertise and contribute to innovative projects.

Skills

- **Cloud Platforms:** AWS, GCP
- **CI/CD Tools:** GitLab, Jenkins.
- **Scripting:** Bash Shell scripting
- **Configuration Management:** Ansible
- **Containerization:** Docker, Kubernetes, AWS EKS
- **Infrastructure as Code (IaC):** Terraform
- **Security & Code Quality:** SonarQube.
- **Monitoring & Visualization:** Prometheus, Grafana

Professional Experience

- **Tata Consultancy Services (TCS) – Client :BANK OF AMERICA (BOA)**

Associate DevOps Engineer
Oct 2022 – Present

Roles & Responsibilities

- Configured GitLab pipelines and repositories to streamline CI/CD processes.
- Set up Slack channels and integrated Slack bots for automated notifications.
- Implemented Docker layering architecture to optimize image build times.
- Established merge request approval rules across all GitLab repositories.
- Scheduled deployments across all repositories in GitLab.
- Configured IAM access roles for EKS pods to access S3 buckets via service accounts.
- Automated routine tasks with Bash scripts for pod restarts.
- Configured AWS EC2 high CPU utilization alerts using SNS.
- Replicated SIT environment from scratch for the Multi-Cluster Environment Project.
- Transitioned API test URLs from static to dynamic, retaining records for 30 days.
- Proficient in deployment of various Applications (WAR and EAR) in domain and clustered environments of Web Logic server by using the tools like admin console, Weblogic.deployer utility
- Troubleshooting issues related to application slowness, stuck threads and Out Of Memory issues.
- Proficient migration and upgradation of WebLogic Server and updating JDK versions, applying patches and installing service packs for WebLogic server.
- Good experience on UNIX Environment.
- Excellent problem solving skills with good interpersonal skills.

Projects

GoldSite E-commerce Project

- Architected and implemented the infrastructure from scratch using AWS EC2, Jenkins, Ansible, Bash scripts, Trivy, Prometheus, Grafana, and SonarQube.
- Configured Jenkins for CI/CD with integrated SonarQube (code quality analysis) and Trivy (container image scanning).
- Designed a three-tier infrastructure:
  - **Jenkins Server:** Jenkins, SonarQube, Trivy
  - **Build Server:** Ansible, Docker
  - **Deploy Server:** Kubernetes, Helm, Prometheus, Grafana
- Utilized Ansible for automation, triggering Bash scripts to build code and push Docker images to Docker Hub. Additional scripts updated Helm charts and deployed Kubernetes applications.
- Stored build artifacts in an S3 bucket using a date-based naming format after each code push.
- Managed infrastructure as code with Terraform.
- Configured SSL for secure communications.
- Implemented monitoring and visualization using Prometheus and Grafana.

- Automated builds and deployments via Jenkins pipelines, with continuous monitoring through Prometheus and Grafana dashboards.
- Built a React-based application using npm to ensure a smooth build and deployment process.

Education

B.Tech in Mechanical Engineering
Chaitanya Engineering college , Visakhapatnam, India
June 2016 – April 2019