**SURENDRA KUMAR KATURI**

**DevOps Engineer**

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# PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with 3+ years of experience designing, implementing, and managing CI/CD pipelines, infrastructure automation, and cloud-based solutions. Proficient in tools like Docker, Kubernetes, Jenkins, and AWS, with a strong focus on improving deployment efficiency and system reliability. Skilled in collaborating with cross-functional teams to streamline development processes and ensure scalable, secure, and high-performance systems.

# WORK EXPERIENECE

1. **Company Name :- TCS.**

**Clients: - GE Healthcare**

**Duration: - May 2024- Present**

**Roles And Responsibilities: -**

* Automated end-to-end CI/CD pipelines using Jenkins, integrating Git version control and Maven for continuous build, testing, and deployment.
* Built and managed scalable, production-grade infrastructure using Terraform, enabling consistent and automated provisioning of resources across AWS environments.
* Containerized applications using Docker, streamlining development workflows and enabling faster deployments in microservices architecture.
* Deployed and managed containerized applications in Kubernetes clusters, ensuring high availability and fault tolerance through pod scaling, replica sets, and load balancing.
* IntegratedJenkinspipelines with Git repositories to enable continuous integration and delivery (CI/CD), automating build processes with Maven for Java-based applications.
* Implemented Git branching strategies, such as feature branching and GitFlow, to ensure smooth version control and collaboration across multiple development teams.
* Automated the provisioning of application dependencies and configurations using Ansible, reducing manual setup time by 50% and eliminating configuration drift between environments.
* Created reusable Terraform modules for cloud infrastructure, reducing time spent on manual configurations and ensuring consistency across environments.
* Integrated Ansible with Jenkins to automate post-deployment configurations, improving deployment reliability and reducing downtime.

1. **Company Name :- Capgemini**

**Clients: GE Healthcare**

**Duration: September 2021- May 2024**

**Roles and Responsibilities:**

* Developing the step functions for rsql and informatica scripts as per the required flow.
* Creating lambda functions using Python script to set the dependencies for step functions and to check the touchfile availability in S3 bucket.
* Good hands-on of Databases, Internal & External Objects, User & Access Management.
* Scheduling AWS cloudwatch to trigger the Step functions and Lambda.
* Good Hands-on experience on EC2 instance and S3.
* Experience on using AWS DevOps services like Code Commit, Code Build, Code Deploy, Code Pipeline.
* Configuring and maintaining the source code management repository GitHub
* Experience in Configuring Git with Jenkins and schedule jobs using POLL SCM option and integrated to automate the code checkout process.
* Configured and maintained Jenkins to implement the CI/CD process.
* Installing Plugins in Jenkins according to project needs
* Experienced in automating the infrastructure using Terraform in AWS Console.
* Use Terraform to provision AWS infrastructure components (like EC2 instance, VPC, RDS for database, S3 for storage, etc.).
* Experience of working with the release and deployment of large-scale Java/J2EE Web applications using GIT repository.
* Managed GIT repositories for branching and merging the code as per schedule.
* Deployed applications using Jenkins server and troubleshoot build and release job failures, resolve, work with developers on resolution.
* Worked and maintained application on Linux environment.

# TECHNICAL SKILLS

* **Cloud Platform: AWS**
* **CICD Tools: Jenkins, AWS Code Pipeline, AWS Code Build**
* **Containerization: Docker**
* **Container Orchestration: Amazon EKS, Kubernetes**
* **Web Server: Apache, Nginx, Tomcat**
* **Monitoring and Logging: CloudWatch**
* **OS: Linux (Centos, Ubuntu, Amazon), Windows**
* **Build tool: Maven**
* **Deployment Tool: AWS Code Deploy, GitHub actions**
* **Source Code Management: GitHub, AWS Code Commit**
* **Infrastructure as Code: CloudFormation, Terraform**
* **Configuration Management: Ansible**
* **Atlassian Tools: JIRA, Confluence**
* **Ticketing Tool: ServiceNow**
* **Other tools: Putty, WinSCP** ,**Rally**

# DECLARATION

I hereby declare that the particulars given above by me are correct & to the best of my knowledge and belief.

**Place: Bangalore**

**Date: Surendra Kumar**