SYEDA SAMREEN SABA Cloud & DevOps Engineer

A result-oriented professional, targeting assignments as **DevOps Engineer**

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CORE COMPETENCIES

- Production Support
- Troubleshooting
- Application Deployment
- Cross-functional Coordination
- DevOps Implementation
- Project Execution

TECHNICAL SKILLS

- Operating System: Linux
- Versioning Tools: Git and GitHub.
- Cloud: AWS, Azure

DEVOPS TOOLS

- Version Control System Tool: Git, Dvc, Mlflow
- Continuous Integration tool: Jenkins, GitHub Action
- Containerization tool: Docker
- Deployment tools: Sagemaker for MlOps, Kubernetess
- Terraform: IAC tool.
- Configuration Tool: Ansible
- AWS, Azure

EDUCATION

B.Tech. (Electrical & Electronics Engineering) from S.T.J Institute of technology, Ranebennur
M.Tech: (Digital Electronics) G.M Institute of Technology Davengere in 2015

SOFT SKILLS

- Analytical
- Problem Solving
- Teamwork
- Communication
- Adaptability

PROFESSIONAL SUMMARY

- Performance-driven professional with rich & extensive experience in Software Development, Requirement Gathering and Cross- functional coordinator.
- Managing AWS Resource groups, VM compute, Vnet, Storage
- Working experience with CI and CD using tools like Jenkins and AWS develops.
- Proficient in DevOps tools like Git, Jenkins, Docker, Kubernetes & Terraform.
- Good Understanding and hands on experience with formal delivery methodologies like code versioning tool GIT & tracking tool JIRA.
- Excels in managing the software development functions involving requirement gathering, development of functional specifications, design & development and co-ordination with customer.
- Experience on AWS services like VM, Vnet, AWS storage service, AWS directory and load balancer.
- Efficient organizer, motivator, team player and a decisive leader with the skills to motivate teams to excel and win.
- Writing **shell scripts** to automate manual and repetitive tasks. Responsible for modifying and tuning existing scripts.
- Written **Ansible playbooks**
- Installed and worked on **Docker** and Container based technologies and **Kubernetes.**
- Implemented complete **MLOps pipelines** for machine learning workflows using **AWS SageMaker**, **MLflow**, **S3**, and **EKS**.
- Built **data ingestion pipelines** from multiple sources (CSV, APIs, Databases) using AWS services like, **Lambda** for automating pre-processing and storage into **S3 buckets**.
- Developed **training pipelines** using **Amazon SageMaker Training Jobs**, integrating preprocessing, training, model evaluation, and versioning stages in CI/CD workflows.
- Enabled **automated model deployment** using **SageMaker Endpoints**, with inference pipelines for real-time and batch predictions.
- Tracked experiments, model metrics, and artifacts using **MLflow**, and integrated it with **S3** for storage and **CloudWatch** for logging.
- Orchestrated complete lifecycle from data preprocessing to deployment using **Mlflow on EKS** for scalable and portable pipelines.
- Integrated **monitoring and alerting** with **Prometheus and Grafana**, ensuring reliability and observability in ML pipeline operations.

WORK EXPERIENCE

Role: DevOps Engineer

- Designed and implemented **CI/CD pipelines** using **Jenkins**, handling end-to-end setup from code integration to production deployment.
- Installed and worked on **Docker**, developing and deploying containerized applications. Managed container orchestration using **Kubernetes (K8s)**.
- Implemented and maintained **Continuous Integration** and **Continuous Deployment (CI/CD)** practices to streamline delivery pipelines and reduce time to production.
- Provisioned and maintained **build infrastructure environments**, performed **system monitoring**, and resolved Jenkins build failures and deployment issues.
- Integrated **Machine Learning workflows** into CI/CD pipelines, enabling seamless deployment of ML models from training to production.
- Used **Amazon SageMaker** for model training, deployment, and monitoring.
- Managed containerized ML model deployment using **Kubernetes (EKS)** for scalable and resilient serving.
- Implemented **MLflow** for experiment tracking, model versioning, and registry to streamline the ML lifecycle.
- Automated model retraining pipelines triggered by data drift or accuracy degradation using **Lambda** and **EventBridge**.
- Ensured compliance with model governance, logging, and auditing by integrating monitoring tools such as **Prometheus** and **Grafana**.
- Collaborated with data scientists to ensure reproducible environments, versioned datasets, and reproducible experiments using **Docker**, **Git**, and **Jupyter Notebooks**.