

Saad Khalid

DevOps Engineer — Data Science Enthusiast — Cloud-Native Developer

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SKILLS

DevOps & Cloud: Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), AWS (EKS, S3, EC2), GCP, Helm

Monitoring: Prometheus, Grafana, ELK Stack, Loki, CloudWatch

Data Engineering: Apache Airflow, PostgreSQL, Pandas, spaCy, NumPy, ETL Pipelines

MLOps: MLflow, FastAPI, Model Deployment, Experiment Tracking

Languages: Python, C, C++, JS, HTML, YAML, SQL

TECHNICAL PROJECTS & EXPERIENCE

CI/CD Pipeline Automation

DevOps Engineer – Self-initiated

- Developed robust CI/CD pipeline using GitHub Actions, Docker, and Kubernetes for microservices deployment.
- Implemented rolling updates on AWS EKS with Helm; used Parameter Store for secret management.

ML Model Deployment & Monitoring

MLOps Engineer – Self-initiated

- Containerized churn prediction model with FastAPI + Docker; deployed with NGINX reverse proxy.
- Integrated Prometheus monitoring and centralized logging with Grafana Loki.

Observability with Prometheus & Grafana

DevOps Engineer – Freelance

- Built observability stack for real-time metrics and alerting across cloud-native apps.
- Designed Grafana dashboards to track latency, memory, uptime and API health.

Apache Airflow ETL Pipeline

Data Engineer – Self-initiated

- Built DAGs to extract Twitter sentiment data, perform NLP with spaCy, and store in PostgreSQL.
- Implemented data quality checks and failure alerting in Airflow.

Log Aggregation with ELK Stack

DevOps Engineer – Academic Project

- Set up Filebeat and Logstash to ingest logs from distributed containers into Elasticsearch.
- Configured Kibana dashboards for system log analytics, auth failure detection, and uptime.

MLflow Model Registry Integration

MLOps Engineer – Research Collaboration

- Tracked experiment runs and model metrics using MLflow.
- Automated model lifecycle transitions (Staging → Production) with approval flows.

EDUCATION

Bachelors in Computer Science

Forman Christian College (A Chartered University), Pakistan

Expected Graduation: 2026

Relevant Coursework: Web Development, Machine Learning, Deep Learning, Blockchain,
Data Structures, OS, Distributed Systems

CERTIFICATIONS

AWS Certified Cloud Practitioner

Docker Essentials – IBM SkillsBuild

Introduction to DevOps – edX