

MOHAMMED SAAD

Site Reliability Engineer | CI/CD Infrastructure | Performance Optimization | Cloud Solutions

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London, Ontario - N6H4P5



EXPERIENCE

DevOps Engineer

Hotspex Media

05/2023 - Present Toronto, ON

- I've successfully integrated and managed various projects that required handling a wide range of responsibilities
- Led multi-cloud deployments using GCP (Cloud Build, Container Registry, GKE) and AWS, architecting and delivering scalable containerized solutions.
- Directed CI/CD strategy with Cloud Build, GitHub Actions, and Artifact Registry, enabling blue-green deployments and automated updates across environments.
- Leveraged Cloud Build, Container Registry, and GKE for containerized deployments.
- Configured load balancers and GitHub CI/CD pipelines for efficient scaling.
- Executed blue-green deployments using Cloud Build/GitHub Actions.
- Enforced IAM policies, adhered to security best practices on GCP.
- Configured VPCs, load balancers for regional/global deployments.
- Managed services with Cloud Build, Container Registry, GKE.
- Utilized Cloud SQL, Firestore, Cloud Functions, and Storage.
- Integrated logging and alerting in Slack.
- Scheduled ETL jobs with Cloud Dataflow/Apache Beam, used BigQuery for data analysis.
- Orchestrated this deployment in GKE and integrated complete CI/CD pipelines (GKE, Cloud Build, artifact registry and GitHub) for automated updates and scalability.
- Implemented New Relic, Grafana, and Prometheus in Various Projects.
- Enhanced monitoring and performance tracking across projects.
- Leveraged these tools for actionable insights and proactive management.

Data Engineer

Insight2Actions

03/2022 - 05/2023 Toronto, ON

- Increased data pipeline availability by {15%} resulting in improved system uptime using GCP.
- Analyzed data for integration and reporting using ETL processes.
- Built and optimized GCP pipelines: Cloud Storage, Dataflow, BigQuery.
- Executed predictive customer churn analysis with Python.
- Created dashboards in PowerBI for business insights.
- Managed Apache Airflow workflows and GKE migrations.

SUMMARY

Seasoned DevOps Engineer with 9 years of experience in Cloud Infrastructure and Data Engineering, expert in CI/CD pipelines and Kubernetes management. My key achievements include a 40% reduction in MySQL downtime through effective blue-green deployment strategies and a 15% increase in data pipeline availability, significantly enhancing system uptime. Seeking a Site Reliability Engineer position at your company, where I bring my system architecture and cloud infrastructure skills to support your mission of designing and maintaining industry-leading cloud solutions. I am adept at leveraging tools such as Prometheus and Grafana to optimize performance and ensure compliance in high-demand environments.

KEY ACHIEVEMENTS



Network Troubleshooting Success

Achieved a 40% reduction in downtime using blue-green deployment strategies for network reliability.



Performance Optimization Achievement

Improved application performance by 15% through performance tuning and implementation of optimized CI/CD pipelines.



Network Efficiency Enhancement

Enhanced network efficiency, resulting in a 30% increase in real-time monitoring capabilities across deployments.

CERTIFICATION

AWS certified DevOps professional

Google Professional Cloud Architect

Certified Kubernetes Application Developer

EXPERIENCE

Data engineer

Bpcl

📅 03/2020 - 03/2022 📍 Hyderabad- TL

- Executed sales and promoted AWS solutions using Python and data science techniques.
- Executed AWS solution sales and promotions using Python and data science techniques to optimize client adoption.
- Deployed ARIMA forecasting models in Azure, optimizing parameters and scaling via Kubernetes.
- Conducted predictive analytics (customer churn, CO₂ emissions) using Python, Logistic Regression, and ARIMA, and visualized results in Tableau.
- Built automated pipelines to load data into BigQuery via Informatica and operationalized workflows with Cloud Data Prep.
- Integrated PySpark with Cassandra and Hive for scalable ETL/ELT operations, and automated tasks with custom Python scripts, enhancing pipeline efficiency.
- Connected ML models with SAP datasets to support enterprise reporting, enabling integration of SAP ERP data into predictive analytics workflows.
- Positioned AI/ML services for production through MLOps best practices and containerized deployments.
- Optimized ARIMA model parameters with Azure, utilizing Python and Kubernetes for deployment.
- Analyzed CO₂ emissions with logistic regression, demonstrating data visualization in Tableau and Python.
- Loaded data to BigQuery via Informatica, operationalized pipelines with Cloud Data prep.
- Integrated PySpark with Cassandra and Hive for ETL/ELT operations.
- Automated data tasks with custom Python scripts, enhancing efficiency.

Data Analyst

Legacy Designs Inc

📅 2020 - 2019 📍 Rockford, IL, USA

Software Engineering Analyst

Legacy Designs Inc

📅 2016 - 2019 📍 Rockford, IL, USA

EDUCATION

Master of Science

Bradley University

📅 2015 - 2016 📍 Peoria, IL, USA

Post Graduate Diploma in Artificial Intelligence

Centennial College

📅 2022 📍 ON

INTERESTS



Cricket



Football



Gaming



Traveling

SKILLS

GKE

Postman

FinOps

AWS

Azure

Wireshark

Docker

GCP

Grafana

IAM

Kubernetes

New Relic

Prometheus

Python

Terraform

TypeScript

Node.js

Ansible

Bash

JavaScript

Jenkins

MLOps

PyTorch

Apache Spark

ELK Stack

RESTful API

AWS SageMaker

Cybersecurity

CloudWatch

Datadog

OAuth

Serverless

JIRA

PHP

Redis

Dynatrace

CloudFront

Golang

RDS

API Gateway

AWS Lambda

Java Spring

SpringBoot

Django

Elasticsearch

MongoDB

Nginx

RabbitMQ

React

C#

IoT

PostgreSQL

Gradle

Grunt

Kibana

Maven

Nexus

Nimble

.NET

Blockchain

DevSecOps

SIEM

Apache JMeter

Caching

DNS

Kafka

Linux

Unix

Snowflake

Splunk

MDM

RDBMS

ARM Templates

GitLab

OpenShift

Red Hat

YAML

PowerShell

GitLab CI

ARM

Couchbase

HANA

Java EE

Microservices

Project Management