

LLOYD ARMSTRONG

Cloud | DevOps | Big Data

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EXPERIENCE

Senior Data Platform Engineer

Metro Markets GmbH

11/2023 - Present Düsseldorf, Germany

- Enabling Business Intelligence Analyst and Executives to make critical business decisions by designing, maintaining, and optimizing data pipelines using **MySQL**, **Debezium**, **Apache Flink** and **Apache Kafka**.
- Working with **Apache Impala** and **Apache Kudu** clusters supporting our **Power BI** environment.

Cloud DevOps Engineer

11/2022 - 11/2023 Düsseldorf, Germany

- Reduced **Google Cloud** costs by 38%
- Refactored legacy **Terraform** & implemented customized modules
- Rightsized and refined resource use across multiple projects by using historical usage statistics collected using **Grafana** and **Prometheus** observability tools
- Implemented **Helm** deployments and introduce the use of **Argo CD** for **Kubernetes**
- Managed and streamlined **GitLab CI/CD** pipelines to reduce operational overhead

DevOps Automation Engineer

trivago

06/2020 - 10/2022 Düsseldorf, Germany

- Lead embedded DevOps Engineer for 3 teams involved in Business Analytics and TV Advertising.
- Using the **Hashicorp** tech stack, migrated the entire Trivago Business Analytics platform from monolithic on-premise servers to a highly-available, local cloud, using **Nomad**, **Vault**, **Consul**, **Levant** and **Vagrant**.
- Reduced time to release by optimizing **Jenkins CI/CD** pipelines.

DevOps Engineer

Connect Mobile Communications

09/2018 - 04/2020 Johannesburg, South Africa

- Migrated 12 monolithic server-based applications to a **Docker** containerized environment using Linux as our Base OS
- Architected and built a Big Data platform from scratch using **Elasticsearch** and **Logstash** to process millions of data points daily, graphing in **Kibana**
- Implemented and managed Development, QA and Production **Jenkins** pipelines

Junior DevOps Engineer

Panoptix

01/2015 - 01/2018 Johannesburg, South Africa

- Hands-on startup role: Assembling, installing and monitoring advanced network analysis devices in secure banking environments.
- Contributed to building a custom application with **ELK Stack** and **Saltstack** Experience.

EDUCATION

B. Mus (Honours)

University of Chichester

2013 - 2016

SUMMARY

GCP and AWS Certified Engineer with 9 years experience in architecting, maintaining and growing cloud-based platforms and complex software development lifecycles. A musician-turned-tech aficionado, with a passion for automating things and new technologies that make our lives easier.

CERTIFICATION

AWS Cloud Practitioner

Amazon Web Services

Cloud Architect Professional Certificate

Google Cloud Platform

SKILLS

AWS

Google Cloud

Terraform

Kubernetes & Helm

Docker

Ansible

ElasticSearch

Kafka

Flink

Gitlab CI/CD

Apache Impala

Grafana

MySQL

Prometheus

Python

Redis

Apache Kudu

ACHIEVEMENTS



Reduced Cloud Costs by 38%

Within 6 months of joining, I reduced cloud spend by more than a third!



Migrated from bare metal to Cloud

Started from scratch. No more server monkeys! We're in the cloud now!

PASSIONS



Producing Music



Aircraft and Flying



Gaming



Watching Sport