

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.
 - Rebuilding Data Platform with bleeding-edge tools like **BigQuery**, **ClickHouse** and **Google DataProc**

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**
 - 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 10 years experience in architecting, maintaining and growing cloud-based, distributed systems 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	Grafana
MySQL	Prometheus	Python
Redis	Apache Kudu	Bash

KEY ACHIEVEMENTS

Reduced Cloud Costs by 38%
Within 6 months of joining, I reduced cloud spend by more than a third!

Cloud Migration Expert
From bare metal to the cloud, I've migrated a wide variety of services and applications

PASSIONS

Producing Music

Aircraft and Flying

Gaming

Watching Sport