LLOYD ARMSTRONG

Infrastructure Solutions Professional

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EXPERIENCE

Senior Data Platform Engineer

Metro Markets GmbH

📅 11/2023 - Present 📍 Düsseldorf, Germany

- Designing, maintaining, and optimizing Apache data infrastructure for data collection, management, transformation, and access.
- Creating data pipelines using **MySQL**, **Debezium**, **Flink** and **Kafka** to manipulate raw data into usable formats for Business Intelligence Analyst and senior management to make critical business decisions efficiently.

Cloud DevOps Engineer

Metro Markets GmbH

📅 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** 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 - Marketing Solutions

📅 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 multiple monolithic server-based applications to a **Docker** containerized environment using Linux as our Base OS
- 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 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

Ansible	Kubernetes & Helm	Docker

Redis	Bash	ElasticSearch

Kafka	Flink	Gitlab CI/CD

Jenkins	Grafana	MySQL

Prometheus	Python

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**