

Mohammed Safick

Cloud & AI Platform Engineer

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Germany

Cloud & AI Platform Engineer with hands-on experience running enterprise-scale cloud systems in production. Core focus on Infrastructure as Code, observability, automation, and platform reliability across AWS and GCP. Background in AI, computer vision, and data-driven engineering brings an AI-aware platform mindset — building systems that support automation, AI workloads, and cross-team delivery. MSc in Artificial Intelligence.

TECHNICAL SKILLS

Cloud & IaC	AWS, Google Cloud, Terraform, IAM, CI/CD (GitHub Actions)
Observability	CloudWatch, Grafana, incident response & root-cause analysis
Languages	Python, JavaScript, C++
AI / Data	TensorFlow/Keras, OpenCV, Pandas/NumPy, OCR pipelines, LLM/automation tooling
Data & BI	BigQuery, PostgreSQL, MongoDB, Power BI, Looker
Platforms	Linux, Raspberry Pi, Git

PROFESSIONAL EXPERIENCE

Cloud & Platform Engineer

Sep 2022 - Present

Technology Consulting Environment - Enterprise Projects

- Support enterprise cloud platforms with a focus on reliability, security, and operational stability.
- Provision and maintain infrastructure using Terraform (Infrastructure as Code); manage IAM and service onboarding/offboarding.
- Implement observability with Grafana and cloud-native tooling; lead incident response, root-cause analysis, and controlled production changes.
- Develop automation solutions and apply AI/LLM tools to improve operational efficiency; collaborate across engineering, operations, and security teams.

AI & Automation Engineer

2022 - 2023

Internal & Client-Facing Projects

- Built Python-based automation to reduce manual effort in operational and data workflows.
- Developed OCR-based data extraction pipelines converting unstructured documents into structured data; contributed to ML use cases (recommendations, classification).
- Translated business needs into practical AI and automation solutions with stakeholders.

Marketing Analytics & Automation Intern

Jun 2022 - Aug 2022

Wayfair

- Automated affiliate reporting and operations with Python, reducing manual workload; analyzed marketing performance using BigQuery and Looker.
- Managed regional operational tasks and built affiliate partner relationships alongside marketing and PR teams.

Computer Vision Engineer — Master's Thesis

Aug 2021 - Feb 2022

Applied AI Project

- Developed computer vision models and calibration techniques for multi-camera systems; implemented object detection pipelines and deep learning for real-world scene analysis.

EDUCATION

MSc, Bionics — Artificial Intelligence

2020 - 2022

Rhine-Waal University of Applied Sciences, Germany

ADDITIONAL EXPERIENCE

IoT & Systems Engineer

Feb 2021 - Feb 2022

Berlin Projects - Work Student

- Built embedded prototypes using Raspberry Pi and Arduino; solved hardware-software integration challenges.

AI Student Assistant

Mar 2020 - Oct 2020

Germany

- Assisted teaching Human-Machine Interaction; supported research in gesture recognition and brain-computer interfaces.

AI Machine Vision Intern

Nov 2020 - Feb 2021

Germany

- Developed image processing solutions using OpenCV for industrial machine vision applications.

Community Manager

Sep 2019 - Present

Talenlio

- Coordinate community initiatives on careers and technology; facilitate networking between students, professionals, and industry experts.

SELECTED PROJECTS

Telco Observability Dashboards (Grafana + CloudWatch)

Production-grade Grafana dashboards and alarm strategy for telco workloads — EC2 health, network I/O, NAT/GWLB, percentile-based utilization views.

CloudWatch Alarm Automation (Python)

Automation scripts to create and manage CloudWatch alarms and operational checks, built for proxy/firewall-constrained corporate networks.

Secure Log Collection via Bastion (SCP/SSH)

Repeatable, secure workflow to collect and compress logs from private EC2 instances via a bastion host for troubleshooting.

STARTUP & INNOVATION

- Top 8, Best Idea Cup 2020 — StartGlocal (HS Rhein-Waal)
- Selected, DigitalHub Aachen Incubator Program
- Finalist, Berlin Startup Stipendium
- Selected, MotionLab Berlin Product Incubation
- Awarded, Gruenderstipendium (IHK Niederrhein)