

Jakob Melchard

Data & Platform Engineer
Vienna, Austria

Profile

A curious person with love for detail and a passion to learn, employing his background in theoretical physics to solve problems in big data analytics.

Skills

Docker

Kubernetes

Helm

IaC

GitOps

Crossplane

Kafka

Databricks

dbt

REST APIs

Observability

CI/CD

Interests

Climbing

Weightlifting

Mountain biking

Hiking

Skiing

Woodworking

Developer ergonomics

Experience

Data Platform Engineer

Nov 2024 – Present

ORF – Österreichischer Rundfunk

- ▶ Rollout of centralized data analytics platform
- ▶ Provisioning and operation of realtime messaging infrastructure
- ▶ Implementation of ITSM workflows and internal tooling

Data Engineer

Sep 2021 – Nov 2024

A1 Telekom Austria

- ▶ High volume (TB/day) data delivery
- ▶ Observability analytics and predictive monitoring
- ▶ Establishment of MLOps infrastructure and processes

Zivildienst

Dec 2020 – Sep 2021

Geologische Bundesanstalt

- ▶ Digitization of license-free works; handling external research requests

Student Tutor

Mar 2017 – Aug 2018

Technische Universität Wien

- ▶ Supervision of undergrad and postgrad students during physics exercises

Education

Dipl.-Ing. (Technische Physik)

Oct 2012 – Nov 2020

Technische Universität Wien

- ▶ Specialising in theoretical physics of wave propagation through complex media
- ▶ Thesis: The time-resolved S-Matrix – Spatial and temporal focusing
- ▶ Python/Numpy/Scipy for large-scale linear algebra on Vienna Scientific Cluster
- ▶ Co-author: Physical Review Letters 127, 093903 (2021); Physical Review A 105, L051501 (2022)