

Tobias Krüner

Freelance Software Engineer

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10783 Berlin

AI-accelerated full-stack engineer with deep expertise in cloud, backend, and data.

High-pace, hands-on mentality with strong architectural skills.

EXPERIENCE

Cloud Integration Engineer Freelance Mar 2025 – Aug 2025

toom Baumarkt GmbH

- Designed and implemented comprehensive observability strategy with custom metric exporters, enabling early incident detection and preventing multiple production issues
- Bidirectional Snowflake synchronization using Spring Boot and Go
- Modernization of secret management using Secret Manager and External Secrets Operator
- Introduction of keda based horizontal autoscaling
- Introduction of ArgoCD for GitOps based deployments and improvement of various CI/CD processes

Postgres(CloudSQL) GCP Go Kafka BigQuery React Java Kubernetes Helm

Terraform Gitlab ArgoCD Keycloak Snowflake Spring Boot Cloud Monitoring

Technical Cofounder Self-employed Feb 2024 – Dec 2025

FindYourWinematch

- Implementation of multiplatform capable Augmented Reality Wine app
- Setting up of a self-hosted Kubernetes cluster for hosting backend services and databases
- Backend development using Spring Boot/Kotlin, Python FastApi and Go
- Developed automated data acquisition system scraping over 1 million wine records with custom indexing for ML training pipelines
- Training and transfer learning of Vision Transformers and textual embeddings for multimodal wine matching
- Implementation of a cross platform capable Graphics and AR engine using Kotlin Multiplatform and OpenGL

Kotlin Multiplatform Python Go C(++) OpenGL TensorFlow OpenCV Spring Boot

Fast API Kafka Postgres Redis Qdrant AWS Kubernetes Helm Terraform

Ansible ArgoCD Github

Platform Engineer Freelance Jul 2023 – Dec 2023

Bundesdruckerei GmbH

- Bootstrapping of a multi-client capable AI-Platform on top of Kubernetes
- Management and operations of an on-premise Kubernetes Cluster in a highly secured environment
- Implementation of secure authentication and authorisation mechanisms
- Hands-on workshops with customer data scientists and stakeholders

Spring Boot Kubernetes Ansible R Posit Flux Helm Nginx Keycloak

Cloud Consultant Freelance Jan 2023 – May 2023

toom Baumarkt GmbH

- Architectural design and implementation of a Kafka-based CRM system
- Bootstrapping of a self managed, Kubernetes powered infrastructure in GCP
- Built foundational data pipelines feeding customer insights into CRM analytics and marketing automation
- Developed initial microservice architecture integrating multiple SaaS platforms into a single source of truth for customer data
- Establishment of the monitoring stack and continuous integration pipelines

Terraform GCP Kubernetes Java Kafka/Strimzi Helm Gitlab Prometheus

Spring Boot

SKILLS

AI & Development Tools

Claude Code 
RAG 
MCP 
GitHub Copilot 
ChatGPT 
Gemini CLI 

Programming Languages

Kotlin 
Java 
Scala 
Python 
Rust 
Typescript 
Go 
C(++) 
Bash 

Infrastructure & Cloud

AWS 
GCP 
Kubernetes 
Terraform 
Ansible 
Linux 
Docker 
Helm 
Keycloak 

Data & Persistence

Kafka 
Postgres 
Redis 
Qdrant 
MongoDB 
BigQuery 
Snowflake 
MySQL 
MQTT 

Backend

Spring Boot 
Micronaut 
Fast API 
http4s 

Frontend

Kotlin Multiplatform 
React 
Flutter 
Android 

CI/CD & DevOps

ArgoCD 
Flux 
Jenkins 
Gitlab 
Github 

Cloud Engineer

Sep 2020 – Apr 2022

EMnify

- Management of a Kafka based company-wide central data infrastructure on AWS
- Design and implementation of a platform for livestreaming telecommunication and payload events to multiple customer organisations
- Implementation of live policy and charging functionality for mobile data traffic
- Planning and execution of zero downtime migrations between Kafka clusters
- Built engineering enablement tools—shared Terraform modules, GitHub CI templates, and custom Kafka CLI—adopted across multiple engineering teams

Scala Java Kafka AWS Kubernetes Terraform NodeJS http4s Github MySQL

Senior Full Stack Software Engineer

May 2019 – Aug 2020

idealo internet GmbH

- GraphQL Backend Development for the mobile apps
- Introduction of Kafka Streams for real-time aggregations and data transformations
- Designed and integrated high-volume user tracking event pipelines for analytics and personalization
- Development of multiple Kafka stream applications
- Implementation of a data pipeline for exporting app tracking data to a cloud-based datalake
- Mentoring of team members in AWS and Kubernetes

Kotlin GraphQL Spring Boot Kafka Openshift AWS Terraform MongoDB Jenkins

Gitlab

Fullstack Software Engineer

Jun 2018 – Feb 2019

techdev Solutions GmbH

- Back and frontend development for projects in the blockchain industry
- Development of Alexa and Google Assistant skills for multiple customers
- Cloud infrastructure provisioning with Terraform
- Prototyping of a customized Raspberry voice assistant
- Development of an integration test library for voice assistants
- Terraform provider implementation for Alexa Skills in Go

Kotlin Spring Boot Typescript NodeJS React AWS GCP Kubernetes Terraform

CircleCI Github

Android Engineer

May 2016 – Jan 2018

Iconmobile GmbH

- Android feature development for the Oral-B app, including Bluetooth integration with smart toothbrushes
- Development of a real-time face augmentation Android app using machine learning

Android Kotlin Java C(++) Dlib LibGdx OpenGL JNI Gitlab

Student Software Engineer

Oct 2014 – Oct 2015

Toll-Collect GmbH

- Development and model building of a discrete event simulation of toll processes
- Live visualization of characteristic numbers and geographical toll data

C(++) Java JavaFX CSS

Student Worker

Jul 2013 – Nov 2013

Siemens Industriegetriebe GmbH

- Development and mathematical model building of a Java-based planning tool for optimizing stock

Java JavaFX MySQL

Monitoring & Alerting

Prometheus 
 Grafana 
 Cloud Monitoring 

Game Development

LibGdx 
 Unity 
 OpenGL 

Machine Learning & AI

TensorFlow/Keras 
 Vision Transformers 
 Embeddings/Vector Search 

Methodology

Scrum/Kanban 
 Jira 
 Confluence 

Misc

ESP32/RTOS 

EDUCATION

TU Berlin

Technological Mathematics
 2012 – 2015

TU München

Mathematics
 2009 – 2012

LANGUAGES

German (Native) English (Fluent)