

## CONTACT

### EMAIL

thorben.woelk@gmail.com

### WEB

<http://twoelk.codeandheart.com/>

### CITY

Hamburg, Germany

## EDUCATION

**Rheinische Friedrich-Wilhelms-Universität Bonn** 2014 – 2017

*Master of Science in Economics*

Focus on Behavioral Economics. Thesis on "Diffusion of Responsibility".

**Christian-Albrechts-Universität zu Kiel** 2010 – 2013

*Bachelor of Science in Business Administration*

**Fernuniversität in Hagen** 2012 - 2019

*Bachelor of Arts in Psychology*

**Université Paris I Panthéon-Sorbonne** 2013 - 2014

*Erasmus Exchange in Economics*

## CERTIFICATIONS

**Neural Networks and Deep Learning — DeepLearning.AI** Dec 2025

**Agentic AI — DeepLearning.AI** Dec 2025

**Agile Coach** July 2021  
*Beratung Judith Andresen*

**AWS Certified Solutions Architect – Associate** 2020

## SKILLS

### PROGRAMMING LANGUAGES

Python, SQL, JavaScript/TypeScript, Rust

### CLOUD PLATFORMS

Google Cloud Platform (GCP), Amazon Web Services (AWS)

### DATA TECHNOLOGIES

Apache Spark, PySpark, Google Dataflow, Databricks, BigQuery, Redshift, dbt core, dbt platform/cloud, PostgreSQL, SurrealDB, Pub/Sub, Kafka, Looker, Streamlit, Neo4j Cypher

### MACHINE LEARNING AND AI

AWS Sagemaker, Vertex AI, sklearn, pytorch, pydantic-ai, ADK, langgraph, crew-ai, haystack, ollama, Claude Code, Cursor, Codex, Open Web UI

### DEVOPS, CI/CD

Kubernetes, Docker, GitHub Actions, Terraform, ansible, cdk, CloudFormation, Grafana

### METHODS

Agile Coaching, User Story Mapping, Test Driven Development (TDD)

## LANGUAGES

German (Native), English (Fluent), Spanish (Good working knowledge), French (Basic)

# Thorben Wölk

DATA & AI ENGINEER

## SUMMARY

Combining engineering expertise with an agile mindset to develop data-driven solutions. Focusing on data pipelines, platform architecture, agentic AI applications, and DataOps.

## PROFESSIONAL EXPERIENCES

**ZEIT ONLINE - Head of Data Platform**

May 2023 – Aug 2025

- Leading data platform strategy and development for a major online news publisher
- Managing a team of 5+ data engineers, analytics engineers, and tracking experts
- Implementing user story mapping, a Kanban process, and release management

**ZEIT ONLINE - Software Engineer Big Data**

Oct 2021 – Apr 2023

- **Data Platform:** Designed and built an end-to-end analytics platform with components of data ingestion, data transformation, reporting & data science, reverse ETL, and DataOps. Featuring multi-tenancy and a cloud-native scalable architecture. Built on Google Cloud, dbt platform, Kubernetes, Looker.
- **ELT/ETL:** Developed data ingestion applications for batch and streaming data. Event-based & pipeline architectures.
- **Data Science:** Developed data-driven applications for custom, advanced data analysis and AI.
- **DevOps:** Implemented IaC using Terraform, branching concepts, and CI/CD

**EOS Group - Software Engineer**

Jan 2019 – Sep 2021

- **MLOps Platform:** Full redesign of a machine learning platform as a cloud-native microservice architecture on AWS.
- **DevOps:** Automated infrastructure deployment using ansible, cdk, CloudFormation, and Jenkins

**Forward3D - Junior PPC Analyst**

Sep 2017 – Nov 2018

- Analyzed and optimized pay-per-click campaigns for retail clients
- Automated daily and weekly reportings with Python and SQL

**briq - Institute on Behavior and Inequality - Research Assistant**

Apr 2016 – May 2017

- Conducted data analysis with Python and R for economic research
- Contributed to publications on neuroeconomics and moral reasoning

## PUBLICATIONS

"Spreading inequality: neural computations underlying paying-it-forward reciprocity"

2018

Social Cognitive and Affective Neuroscience