

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 (Basic), 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