# Markus Leist

## North Rhine-Westphalia, Germany
markus@lei.st

## Personal Profile

Experienced system developer with knowledge of distributed system architectures, data-driven approaches and management of complicated IT infrastructures.

Over 15 years of experience with large IT companies and diverse, successful own system/software developments in distributed system architectures, data-driven approaches and management of complicated IT infrastructures.

## Objective

The objective is to combine the best of the two worlds of engineering and modern IT.

This objective-oriented and intelligent data engineering enables true value creation for companies on complex interfaces between people and technical systems - these are the challenges of the future.

## Personal Engagement

Member of VDI – The Association of German Engineers:

- Active participation in VDI-Standards

- In addition, knowledge exchange on technical interfaces such as data-driven energy supply systems or Building Information Modelling (BIM)

- Learning and exchange on concepts for smart energy supply systems

Self-organised professional exchange with colleagues

## Professional Experience

### 2016 - 2022
### IT for food wholesale suppliers:

- Cross-product/team analysis, conception, simulation and realisation of distributed, data-driven interfaces.

- Establishment of cross-team exchange of experience, build-up of know-how and constant refinement of technical agreements.

- Construction of solutions to federate heterogeneous data repositories.

- Implementations of heterogeneous IT lifecycle management of hardware and software components.

### 2010 - 2016
### various IT companies:

- Development of cross-product systems engineering (partly SysML) in IT infrastructures from OSI layer 1 to 7

- Building repositories with configuration data for IT infrastructures

- Extensive software development in python with diverse and detailed skills

### 2005 - 2010
### various companies from industry/SMEs

- Moderation of working groups, development, realisation of systems for IT service catalogues

- Construction, realisation and operation of monitoring systems in electrical distribution systems of large-scale industrial plants for steel production.

## Key facts

- Graduate engineer telecommunication (Dipl.-Ing. Nachrichtentechnik) in 1999

- IT + Engineering

- Data-mining in technical infrastructures

- Python enthusiast, Teamplayer

## Comprehensive skills

- Architectural knowledge such as microservices, REST-APIs, Message Queues

- Domain Driven Design (DDD) especially in engineering fields

- DevOps and Containers

- IT security approaches in development with OWASP

- Test-driven development (TDD)

- Continuous Integration (CI)

- Thin and thick copper wires, rock solid techniques

## Results of work

https://github.com/mleist

https://journey.markus.lei.st