

# Jan Markmann

## Tech Lead / Team Lead

Experienced software tech lead and team lead specializing in backend engineering with PHP/Symfony and cloud-native DevOps platforms. Builds end-to-end engineering across architecture, delivery, and operations: maintainable codebases, automated tests, repeatable deployments, and stable production systems. Currently Tech Lead in the Roaming domain (EV charging), owning the technical scope across roaming topics and contributing to the implementation of the OCPI protocol in a Kotlin/PHP environment. Combines deep hands-on expertise with leadership experience in cross-functional teams, both as a tech lead and in disciplinary people leadership. Focus on clear technical communication, pragmatic decisions, strong quality, and sustainable team processes.

## Experience

---

### Tech Lead (Roaming); previously Team Lead

Jul 2022 - Present

### IT/SysOps/DevOps; Senior Software Engineer & People Lead

#### chargecloud GmbH

Cologne (remote)

Owned DevOps, IT, and SysOps with a focus on automation and information security. Led a team of up to 8 and coordinated external providers. Designed and operated container and Kubernetes platforms including CI/CD and infrastructure automation (GitLab, TeamCity, Ansible). Since 2025-11: Tech Lead in the Roaming domain, owning the technical scope across roaming topics and implementing the OCPI protocol.

- Tech Lead in the Roaming domain; owning the technical scope across roaming topics in collaboration with Product, Ops, and Engineering.
- Implementing the OCPI protocol in a mixed Kotlin/PHP environment (incl. Helm/Docker and Kafka-based integration patterns).

- Led a DevOps/IT/SysOps team (up to 8) with technical and disciplinary responsibility, including coaching and stakeholder management.
- Built and improved CI/CD with GitLab and TeamCity and standardized release and deployment processes.
- Established incident management and monitored SLA-relevant systems (availability, resources, alerting).
- Designed, migrated, and operated Docker stacks and Kubernetes/Helm setups and documented the target architecture.
- Co-owned information security topics, including policies and compliance-adjacent processes, and coordinated external providers.
- Tech: PHP, Symfony, Caddy, Docker, Helm, Kubernetes, GitLab, Renovate, TeamCity, MariaDB, Uptime Kuma, Ansible, Harbor, Backstage, Linux

## Senior Software Developer

Jan 2021 - Jun 2022

### Digital Control GmbH & Co. KG

Dusseldorf (remote)

Worked on components in a Kubernetes-based microservice architecture. Focus areas: object storage (S3/MinIO), document generation, and observability.

- Implemented multi-tenant S3 storage provisioning, controlling Kubernetes cluster/MinIO from Symfony.
- Built a PDF document generator for product data sheets within an e-commerce microservice architecture.
- Built a Grafana setup using Graylog data and monitored reliability metrics.
- Tech: PHP7, Symfony, Docker, Google Cloud Run, Kubernetes, MinIO, Rancher, GitLab, InfluxDB, Grafana, Graylog

## Software Developer, Consultant & Interim Head of IT

Mar 2020 - Jan 2021

### Self-employed

Cologne

Interim head of IT and consultant focused on IT/DevOps tooling and processes, hiring support, and infrastructure consolidation. Took over and operated Shopware 6 hosting on AWS.

- Interim head of IT and support in recruiting (IT lead SysOps/Dev).
- Set up development and DevOps tooling for a junior Shopware team (Docker, GitLab CI, review apps).

- API work and integrations (REST/GraphQL) including MongoDB.
- Took over and operated Shopware 6 hosting on AWS (EC2).
- Consolidated and standardized local and external IT infrastructure.
- Tech: PHP7, Shopware, Symfony, AWS, Caddy, Docker, GitLab/GitHub, MongoDB, Linux

## Senior Software Developer

May 2019 - Mar 2020

### Graph-IT GmbH

Cologne

Worked on an internal graph-based database system with a focus on data and process modeling. Also delivered industrial automation prototypes with Raspberry Pi and Python.

- Enhanced the internal graph database system (backend and domain model).
- Built and maintained APIs and integrations (GraphQL).
- Data and process modeling within the graph-based system; implemented process flows.
- Industrial automation prototyping with Raspberry Pi and Python (async) incl. fieldbus (Modbus/RS-485).
- Tech: GraphQL, PHP7, Python (async), Symfony, GitLab, Modbus/RS-485

## Software Developer & Consultant

May 2017 - Apr 2019

### Freiberuflich

Cologne

Freelance work in agency and enterprise environments, including e-commerce and DevOps. Focus: Symfony/PHP, integrations, and service-oriented architectures.

- Set up DevOps tooling and improved CI/CD in project teams.
- Supported delivery and quality assurance in an enterprise client project team within an agency setup.
- Enhanced internal applications for sales and process control.
- Spryker development and customization.
- Built REST APIs to connect satellite projects, including data export to an ERP system.
- Tech: Doctrine, PHP7, PHPUnit, Spryker, Symfony 3.x, GitLab, MySQL, PostgreSQL, RabbitMQ, Redis, Propel

## Team Lead Software Engineering

Oct 2013 - Apr 2017

## preis24.de GmbH

Dusseldorf

Led software engineering: maintained a legacy platform and designed and built a new service-oriented sales platform. Introduced agile practices and strengthened QA, CI, and DevOps standards.

- Technical and disciplinary leadership of the software engineering team.
- Introduced and evolved agile practices (Kanban, Scrum).
- Maintained and improved a legacy platform with a focus on stability and delivery.
- Designed and built a new service-oriented sales platform.
- Tech: Doctrine, PHP5, PHPUnit, REST/SOAP, Symfony2, GitHub, Travis CI, MongoDB, MySQL5, Redis, Jira, Zend Framework

## Software Developer

Jul 2010 - Sep 2013

### Questback

Cologne

Maintained and extended an enterprise feedback suite and developed new components. Also built a social media monitoring application.

- Developed new product components and modules.
- Built a social media monitoring application including API integrations.
- Implemented web services (JSON-RPC, SOAP) and integrations.
- Maintained and extended the Enterprise Feedback Suite.
- Tech: PHP5, Symfony Components, Hudson/Jenkins, Social Media APIs, MySQL5, Assetic, Zend Framework

## Software Developer and Consultant

Oct 2009 - Jul 2010

### Freiberuflich

Freelance project work as software developer and consultant focused on PHP/MySQL and symfony 1.3–1.4.

- Project work as software developer and consultant.
- Tech: Java, PHP5, symfony 1.3–1.4, MySQL, Eclipse/OSGI, ezComponents, Linux, Smarty, Typo3, UML

## Senior Software Developer / Team Lead

Oct 2008 - Oct 2009

### [silversurfer7 GmbH](#)

Cologne

Senior engineering and team leadership in an agency environment, focusing on portal and platform development in cross-functional teams.

- Team and development lead in agency web projects.
- Built portals for the tourism industry.
- Built a product catalog for providers of security and surveillance technology.
- Tech: PHP5, Symfony, MySQL5, Internet-Booking-Engines, Propel, Zend Lucene Search

## Software Developer

Feb 2008 - Oct 2008

### [best webnews GmbH](#)

Cologne

Worked on a news aggregation portal, enriching content with metadata (including geographic data) and delivering partner integrations.

- Built and enhanced a news portal for aggregation and presentation.
- Implemented metadata enrichment (notably geographic) and partner embedding.
- Tech: CakePHP, PHP5, MySQL5, AJAX, Drupal, jQuery, Netvibes UWA

## PHP Programmer

Jan 2006 - Jan 2008

### [Agentur Grintsch e.K.](#)

Cologne

Software development for enterprise and mid-sized clients, including Epson Germany.

- Software development for enterprise and mid-sized clients, including Epson Germany.
- Built a printer leasing system.
- Built and maintained a product database.
- Tech: PHP5, Symfony, MySQL5, Propel, Zend Lucene Search

---

## Education

---

# Cologne University of Applied Sciences (Campus Gummersbach)

Dec 2003 - Dec 2005

Diploma (no degree) in Business Information Systems

## Oberberg Vocational College, Gummersbach

Dec 2000 - Dec 2003

State-certified IT Assistant, advanced technical college entrance qualification in Information Technology

## Skills

### Leadership

Team leadership

People management

Team management

Mentoring

Team motivation

### Software Architecture

Service-oriented

Microservices

Data modeling

Process modeling

Migration strategies

DDD

### Software Design

OOP

Separation of concerns

Clean Code

S.O.L.I.D.

Design patterns

### PHP

PHP 3.0 - 8.5

composer

PDO

Propel

FPDF/FPDI

### Symfony

Bundles

DI Container

API Platform

Event Dispatcher

Twig

Flex

### DevOps

CI/CD

GitLab CI

Docker/Docker Compose

Ansible

Bash

GNU Make

TeamCity

Hudson/Jenkins

Travis CI

Harbor

Renovate

### Cloud

### IT Security

Kubernetes

Helm

Rancher

AWS

Google Cloud

Digital Ocean

Heroku

Dokku

K3s

ISO 27001

ISMS

Vulnerability Management

Incident Response

## Quality Assurance

Automated tests

PHPUnit

Continuous integration

Test-driven design

Static code analysis

## APIs & Web Services

REST

GraphQL

OpenAPI/Swagger

SOAP

JSON-RPC

## Relational Databases

MySQL

MariaDB

PostgreSQL

## NoSQL

MongoDB

Redis

## Messaging

RabbitMQ

MQTT (Mosquitto)

## Monitoring & Observability

Grafana

Sentry

InfluxDB

ELK

Graylog

## Git

GitHub

GitLab

Bitbucket

## Web Servers

Caddy

Apache

Nginx

Lighttpd

## IDEs & Debugging

Visual Studio Code

PHPStorm

Eclipse

XDebug

Gitpod

## Agile Methods

Scrum

Kanban

## Analysis

Object-oriented analysis

Requirements analysis

Reverse Engineering

## Collaboration & Project Management

Jira

Slack

Wiki

Confluence

Asana

monday.com

miro

## Operating Systems

## Virtualization

Linux (Ubuntu)

DOS

Windows 95 to 7

LXC

Virtualbox

VMWare

## Other Programming Languages

Java

C#

C / C++

HTML / CSS

Python

poetry

async

## Other Version Control Systems

Mercurial

Subversion

CVS

## Doctrine

ORM

ODM

---

# Languages

German — Native

English — Fluent

---

# Interests

## Mountain biking

Trails, Dirt, Slopestyle

## Music

Piano, Harmonica, Blues, Boogie Woogie

## Smart Home

OpenHAB, Homematic, Amazon Echo, ESP 8266

## Baking



