



Oliver Dirr

SENIOR SOFTWARE ENGINEER · TEAM LEAD

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Profile

At CHECK24 since 2019, progressing from working student to Senior Software Engineer and Team Lead. Contributed for several years to the foundational architecture of the rental car platform, applying Domain-Driven Design, domain modeling and clear domain boundaries. Now lead the Pay Team (~5 engineers) with technical and disciplinary responsibility across payment infrastructure, international markets, rental car accounting and production operations.

Experience

Team Lead — Pay Team CHECK24 Mietwagen · Augsburg, Germany	Jan 2026 – Present
Senior Software Engineer CHECK24 Mietwagen · Augsburg, Germany	Oct 2025 – Present
Professional Software Developer CHECK24 Mietwagen · Augsburg, Germany	Oct 2023 – Sep 2025
Junior Software Developer CHECK24 Mietwagen · Augsburg, Germany	Jun 2023 – Sep 2023
PHP Backend Developer CHECK24 Mietwagen · Augsburg, Germany	Mar 2022 – May 2023
Working Student — PHP CHECK24 Mietwagen · Augsburg, Germany	Apr 2022 – Apr 2023
Working Student — Project Management CHECK24 Mietwagen · Augsburg, Germany	Sep 2021 – Mar 2022
Managing Director & Developer DEVOLTI · Augsburg, Germany	Dec 2019 – Present
Working Student — Full Stack Developer (MERN) CHECK24 Versicherungscenter · Munich, Germany	Apr 2019 – Sep 2021
Student Assistant — IT / Business Information Systems University of Augsburg · Augsburg, Germany	Feb 2018 – Mar 2019
Electrical Engineering Internship Grenzebach · Germany	Jan 2015 – Jul 2015

Collected Experience

Backend Architecture & Domain Modeling

- Engineered Core Services: Built and scaled high-availability backend microservices for CHECK24 rental cars using PHP, Symfony, Doctrine, MySQL, and RabbitMQ.
- Domain Modeling (DDD): Architected Bounded Contexts across rental, payment, settlement, and accounting domains to reduce coupling and boost maintainability.
- Architectural Leadership: Translated business requirements into sustainable software architectures and authored Architecture Decision Records (ADRs).

Payment Infrastructure & Financial Systems

- Payment Integrations: Led hands-on technical integration of Revolut, Stripe, Apple Pay, and PayPal into the payment architecture for authorization and settlement pipelines.
- Greenfield Accounting System: Designed and built a dedicated rental car settlement system, fully automating complex financial workflows.
- Global Expansion: Internationalized platform architectures to support multi-currency, country-specific taxes, and regional compliance rules.

Production Engineering & Performance Tuning

- End-to-End Ownership: Owned full lifecycle from design and testing to CI/CD pipelines, production deployments, monitoring, and live operations.
- Zero-Downtime Migration: Executed parallel-run migration from legacy to new Pay-Core architecture with zero downtime or data loss.
- Performance Optimization: Resolved critical production bottlenecks (CPU, RAM, DB locks, queue backlogs) to significantly reduce latency.
- CI/CD & Tech Initiatives: Led Jenkins pipeline migration and established internal engineering initiatives like Pay MCP and hackathons.

Engineering Leadership

- Team Leadership: Managed a team of ~5 software engineers (technical leadership, performance reviews, career growth, and autonomous culture).
- Roadmap Management: Balanced technical debt, system stability, team capacity, and high-priority business feature delivery.

Education

Master of Science — Business Information Systems

University of Augsburg · Apr 2021 – Oct 2023 · Grade: 1.42

Bachelor of Science — Business Information Systems

University of Augsburg · Oct 2017 – Jan 2021 · Grade: 2.01

General Higher Education Entrance Qualification

Hans Leipelt Fachoberschule · Oct 2014 – Jul 2017

Intermediate Secondary School Certificate

Realschule Heilig Kreuz · Oct 2009 – Jul 2014

University Projects

Linear Optimization

Python · IBM CPLEX

LEW IoT Device Registration

Oracle APEX

Master's Thesis: Chatbot & Configuration File Graph

Chatbot-based interaction with configuration structures

Skills & expertise

Programming languages

PHP TypeScript JavaScript Java C Python

Frameworks & runtime

Symfony React Node.js Doctrine

Data & APIs

MySQL SQL REST APIs Messaging

Architecture

Domain-Driven Design Domain Modeling
Distributed Systems REST APIs Messaging
Event-Driven Architecture Monolithic architectures
Microservices Aggregates Outbox pattern
Ports & Adapters Clean Code

Languages

German · Native

English · Professional working proficiency

Italian · Basic

Awards

VDI Award for Outstanding Student Achievement

Best Student — Realschule

Interests

Road cycling Wakeboarding Volleyball
Snowboarding Smart Home Pizza & Cooking