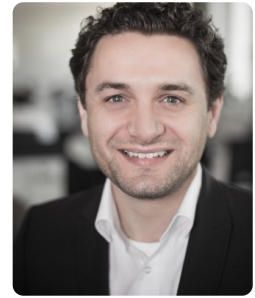


Stefan Kölle

Senior Software Developer & Software Architect



CV

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Profile

Experienced Senior Software Developer and Software Architect with over 20 years of experience in developing and managing microservices and IT architectures. Specialized in .NET Core and Kubernetes, with hands-on experience in AI-assisted development using Claude Code. Clear focus on efficient, innovative, and sustainable solutions. Highly skilled in executing complex projects, building cloud-native services, and optimizing processes through modern technologies.

Core Technologies

- .NET Core 10 (Dockerized), Clean Architecture
- Claude Code / AI-assisted Development
- SolR, Kubernetes, Terraform, Azure (WebApps, Tables, Blobs)
- Uptrends, Sentry, Loki/Grafana, Quartz.NET
- Squidex, Brevo (Sendinblue), Mailgun, OpenAI

Senior Software Developer / Senior Software Architect

TENHIL GmbH & Co. KG (2025 - present)

- **MCP-Server for ChatGPT Integration (2026)** Built an MCP server for a major platform integration using Claude Code, from concept to production in 6 half-days solo. Full spec, Confluence documentation, Jira epics and stories, and PO artifacts fully generated within the same workflow.
- **AI-driven Project Documentation (2026)** Using Claude Code to generate complete project documentation end-to-end, including Confluence pages, Jira epics and stories, covering the full PO process without manual overhead.
- **AI-Tooling Repository (2026):** Built a structured AI-assisted development framework for the .NET team, providing reusable workflows for plan-and-implement processes, QA testing, and code reviews. Presented at internal Demo Day with full documentation.
- Regular presenter at internal monthly Demo Days, sharing AI tooling advances and new project outcomes with the engineering organization.
- **Kubernetes Migration:** Migrating background workers from Azure Docker to Kubernetes, including job restart logic, state persistence across runs, and monitoring.
- **AI-assisted Development Workflow:** Established a production-ready Claude Code workflow for rapid delivery, reducing time-to-production for new services significantly.
- **Infrastructure Cost Optimization (2025)** Reduced monthly infrastructure costs by €1,850 through strategic decommissioning of legacy systems and cloud routing migration, delivering ~€22,000 in annual savings.
- **QA Automation Framework** Built a scalable integration test system enabling continuous, code-based QA coverage growth and cross-codebase bug detection across multiple services.
- **AI Workshop** Organized and led an internal team workshop on AI-assisted search query parsing and natural language processing for job search optimization.
- **Active Services Migration to Kubernetes (2025)** Planned migration of active production services from legacy hosting to Kubernetes, including documentation and architectural concepts.
- Consistently delivering full-time output while working part-time, recognized across multiple product teams for high productivity and reliable delivery.
- **Technologiestack:** .NET Core, Kubernetes, Docker, TypeScript, Claude Code, OpenAI, Terraform, Sentry, Loki/Grafana.

TENHIL GmbH & Co. KG (08/2022 - 2024)

- **OpenAI Integration (2024)** Integrated OpenAI-based salary data generation into a multi-tenant microservice, enabling automated, AI-driven content enrichment at scale.
- Solely responsible for designing and building multiple core backend microservices end-to-end, including application services, geo data, feed generation, salary data, and email delivery integrations.
- Collaborating closely with the Product Owner to create and implement new services.
- Technologies: .NET Core 10, Docker, Azure, Terraform, Uptrends, Sentry, Loki, Quartz.NET.

Senior Software Developer / Senior Software Architect

stellenanzeigen.de GmbH & Co. KG (11/2018 - 07/2022)

- Architecting hosting solutions and migrating services to Azure.
- Implementing a CMS based on Squidex and managing server infrastructure.

Managing Director

Regio-Jobanzeiger GmbH & Co. KG (10/2014 - 12/2017)

Managing Director, CTO

stellenanzeigen.de GmbH & Co. KG (01/2011 - 10/2018)

- Reorganized the company, focusing on performance marketing and core products.
- Implemented the "SmartReach" performance marketing product.
- Significant projects: Multi-brand strategy, founding "Yourfirm" and "Regio Jobanzeiger", integrating "Kalaydo".

CTO, Member of Executive Management

stellenanzeigen.de GmbH & Co. KG (01/2004 - 12/2010)

- Led product management, software development, IT, customer service, and HTML ad creation.
- Introduced agile software development and virtualized all physical servers.

Head of IT / Development

stellenanzeigen.de GmbH & Co. KG (06/2000 - 12/2003)

- Developed a multi-client web frontend and restructured the ad creation process.

Web Developer

IXOS AG (05/1999 - 05/2000)

- Managed web development environment and internal departmental websites.

Education

FH Augsburg - Computer Science (1996 - 1999)

Internships

IXOS AG - Working Student (10/1997 - 04/1999)

- Redesigned the Jukeman website and prepared training rooms for R/3 training.