



Stefan S. Bechtel

Head of Software Development | AI Enthusiast | Tech Author

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PROFESSIONAL SUMMARY

Engineering leader with 20+ years of hands-on C#/.NET experience, currently heading software development at WERBAS KSR GmbH with a team of 20 developers. Leading a major legacy-to-cloud transformation by applying servant leadership principles and Team Topologies -- organizing stream-aligned teams, a platform team, enabling teams, and a complicated-subsystem team to modernize a WinForms monolith into a cloud-ready SaaS platform. Passionate about AI integration, having built enterprise AI services on Azure handling multilingual text processing, speech-to-text, and document extraction. Active contributor to the developer community through technical articles in dotnetpro and windows.developer magazines, lecturer on AI and EU AI Act, and research group member at the University of Cologne. A department head who still codes - and loves it.

CORE EXPERTISE

Engineering Leadership

Servant leadership, stream-aligned, platform, enabling & complicated-subsystem teams (Team Topologies), fostering autonomy and engineering culture

AI & Innovation

Enterprise AI services, LLM integration, Azure AI, prompt engineering, RAG architecture

Knowledge Sharing

Tech articles, lecturing, academic research, IHK examiner since 2012

CAREER HIGHLIGHTS

- 2023 - Now** **Head of Software Development**
WERBAS KSR GmbH, Holzgerlingen
Leading 20 developers through legacy-to-cloud transformation with all four Team Topologies team types. Building AI services. Servant leadership for engineering excellence.
- 2019 - 2023** **Head of Software & IT**
Magnetic Sense GmbH (Trafag AG Group), Unterensingen
Full responsibility for software and IT infrastructure. Leading a team of 9 with focus on autonomy and ownership. Contactless torque measurement systems.
- 2016 - 2019** **Senior Software Engineer / Trainer**
Trafag GmbH, Unterensingen
Sensor technology R&D, training apprentices, implementing architecture principles.
- 2009 - 2016** **Software Development Career**
Siemens Industry Software, Balluff, Perfect Costing, COSYS Ident
Enterprise product development, industrial automation, third-level support.

TECHNICAL SKILLS

Core Technologies

C# / .NET (20+ yrs) ASP.NET Core Blazor Entity Framework

AI & Cloud

Microsoft Azure OpenAI API Azure AI Services RAG

Databases

SQL Server PostgreSQL MySQL / Oracle

DevOps & Methods

Azure DevOps CI/CD Docker Scrum/Kanban

CREDENTIALS & CERTIFICATIONS

+ University of Cologne - LLM Research Group (2025)

+ IHK Examiner - IT Specialists (since 2012)

+ Project Manager Certification - IHK (2011)

+ VHS Lecturer: AI and EU AI Act (2025)

+ AEVO Trainer Certification (2011)

+ IT Specialist, Application Development (2009)

PUBLICATIONS

Technical articles in **dotnetpro** and **windows.developer** magazines covering C# language features, AI-assisted error analysis, software architecture patterns, and more. *Full list available at stefan-bechtel.de/publications*

stefan-bechtel.de

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