

# Michael Werner Czechowski

**Enterprise Software Architect & Digital Transformation Expert**

## Professional Summary

Visionary Software Architect and Digital Transformation Expert with over 20 years of experience in enterprise web technologies and software architecture. Proven track record in leading complex technical projects, advising C-level executives, and delivering innovative solutions that drive business growth. Currently serving as a university lecturer, sharing expertise in web development and cybersecurity while maintaining active involvement in industry projects.

## Professional Experience (abstract)

**Software Engineer (Technical Leadership Frontend)** (Mar 2023 - Present, PONS Langenscheidt GmbH) - Lead frontend architecture and development initiatives for enterprise-scale language learning platforms - Drive technical decision-making and implementation of modern web technologies - Mentor development team and establish best practices for frontend development

**Digital Transformation Consultant** (Apr 2022 - Present, Independent) - Provide strategic guidance to enterprises on digital transformation initiatives - Develop and implement technology roadmaps aligned with business objectives - Advise C-level executives on technology investments and architectural decisions

**Interim Head of Web Development** (Nov 2020 - May 2021, nextmarkets AG) - Led development team in creating and maintaining fintech trading platforms - Implemented scalable microservices architecture - Established CI/CD pipelines and DevOps practices

**Senior Full Stack Web Developer** (Apr 2020 - Nov 2020, Becklyn GmbH) - Developed enterprise-grade web applications using modern JavaScript frameworks - Implemented complex frontend architectures with React and Vue.js - Led technical architecture decisions and mentored junior developers

**Founder** (Sep 2014 - Apr 2022, NEXT LEVEL SHIT) - Founded and operated digital agency specializing in web development and UX design - Led projects for various enterprise clients across different industries - Developed and maintained multiple large-scale web applications

**Lead Web Developer** (Dec 2018 - Jan 2019, Stoll von Gáti GmbH) - Led development of social media platform using Angular 7 and Zend Framework - Implemented RESTful APIs and managed backend integration - Coordinated with stakeholders to ensure project alignment with business goals

## Academic Positions (abstract)

**Lecturer in Web Development** (2024 - Present, DHBW Stuttgart) - Lead courses in modern web development practices and technologies - Develop curriculum focusing on practical application of software engineering principles - Guide students through real-world project implementations

**Honorary Lecturer** (Aug 2021 - Mar 2023, Leibniz-Fachhochschule) - Taught Social Engineering and IT Security courses - Developed comprehensive curriculum for cybersecurity awareness - Led practical workshops in mobile media development

## Technical Expertise (abstract)

**Frontend Technologies:** - JavaScript (ES6+), TypeScript, React, Vue.js, Angular, Svelte, Next.js - Modern CSS frameworks: Tailwind CSS, Material Design, Bootstrap, Ant Design - State management: Redux, MobX, Zustand, xstate - Testing: Jest, Cypress, Playwright

**Backend & Infrastructure:** - Node.js, PHP (Laravel, Symfony), Python, Java - RESTful APIs, GraphQL, Microservices - Docker, Kubernetes, CI/CD pipelines - Cloud platforms: Azure, Google Cloud, Digital Ocean

**Database & Data:** - SQL: MySQL, PostgreSQL - NoSQL: MongoDB, Redis, Elasticsearch - Data visualization: D3.js, Observable Plot

**Best Practices & Methodologies:** - Domain-Driven Design - Clean Code principles - Agile methodologies - DevOps practices - Accessibility (WCAG, ARIA)

## Education

**B.Sc. in Business Information Technology** (2009-2012) Leibniz Fachhochschule Hannover - Focus on Marketing and Business Administration - Programming workshops in Java, CSS, and PHP

## Languages

German (native), Polish (native), English (business confident), Spanish (advanced), Turkish (beginner), latin

## **Contact**

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