



# Karsten Held

## Certified Azure AI Engineer SharePoint / M365 Specialist

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## Personal Profile

A highly skilled and versatile AI consultant with over 20 years of experience in software development, SharePoint, Power Platform and M365 solutions. Currently leading the development of a market intelligence GenAI solution using Azure AI Foundry and SharePoint frontend for Vattenfall. Proven track record of delivering solutions across diverse industries, including finance, telecommunications, and energy. With proficiency in solution architecture, full-stack development, and UX design. Adept at leading technical projects, providing training, and offering third-level support, with certifications in Microsoft technologies. Fluency in German, English, and Hungarian.

**Available for freelance/contractor roles in GenAI, SharePoint, and M365 development starting May 2025.**

## Areas of expertise

- **GenAI solutions:** RAG solutions with Azure AI Foundry, Copilot Studio, Azure OpenAI Services
- **SharePoint:** Site Provisioning, Governance, Web Part Development, Migrations
- **Full-Stack Development:** C#, TypeScript, React, EF Core, SQL
- **Trainings & Support:** Webinars, third-level support, client training, tech. service coordination
- **M365 & Power Platform:** Power Apps, Power Automate, SharePoint integration
- **Business Automation:** Workflows, data synchronization & integration

## Career History



### 2019 – Now

#### External GenAI / SharePoint / M365 / Power Platform Consultant at [Vattenfall](#)

- 2024 - 2025 SharePoint integrated market intelligence solution with Azure AI Foundry / Open AI
- 2023 Power App for heating device installation deviations, SharePoint site provisioning solution
- 2021 - 2022 SharePoint SPFx development, governance, trainings, Power Platform development
- 2019 - 2020 SharePoint online technical service coordination, primary admin, 3rd level support

### 2016 – 2019

#### External SharePoint / M365 Consultant / Developer at [GASAG](#), [Vattenfall](#), [DHL](#), [Telekom](#)

- 2019 SharePoint / Power Platform event management solution with external mailing service
- 2018 Backend / frontend optimization of internal quote generation app (C#, EntityFramework, SQL)
- 2017 SharePoint / Excel based IT Security Self Assessment solution for DHL
- 2016 SharePoint Product Inventory Management System (JavaScript); Site Provisioning App (C#)

### 2013 – 2015

#### Freelance Application Developer at [M-Events](#), [AUC](#), [GEOMAGIC](#)

- Mobile Application Development (iOS, AppGyver), Java Application Development (Vaadin)
- SharePoint Online Consulting, Office 365 and Email migrations

### 2012

#### SharePoint Consultant at [Communardo Software GmbH](#), Dresden

- SharePoint 2013 Intranet-Solutions for [Axel Springer AG](#) and [Voestalpine Group](#).

### 2008 – 2012

#### Freelance Web Designer, Application Developer

- Web-Development and Softwaretools for [Bencer](#), Shanghai and [Osyon GmbH](#), Berlin

### 2001 – 2008

#### Application Developer, Junior Fonds-Manager, Team Lead at [Vescore Solutions AG](#)

- 2006 - 2008 Developed central Asset Management Infrastructure (C#, VBA, Excel, Bloomberg)
- 2004 - 2006 Junior fund manger (Value, Private Equity)
- 2001 - 2004 App Development (Java, Swing, C#, WinForms, SOAP)

### 2000

#### Software Developer at [Dr. Grob & Partner AG](#), Winterthur

- Developed Bridge and Tunnel Management System (Visual Basic 6, ORACLE)

## Education

### Microsoft Credentials 2013 – 2025

- Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution
- Exam AI-900: Azure AI Fundamentals
- Exam 331: Core Technologies for Microsoft SharePoint Server 2013
- Exam 486: Developing ASP.NET MVC Web Applications
- Exam 480: Programming in HTML5 with Javascript and CSS3
- Exam 488: Developing Microsoft SharePoint Server 2013 Core Solutions



### OCT 1994 – FEB 2000

Master of Civil Engineering (Dipl.-Ing) at [Bauhaus-University Weimar](#)

### OCT 1997 – FEB 2000

Studied Media Design at [Bauhaus-University Weimar](#) (no degree obtained).

### LANGUAGES

German, English, Hungarian



# Karsten Held

## Factsheet

Visit [www.karstenheld.com](http://www.karstenheld.com)  
for a detailed list of projects,  
customers and screenshots.

|                   |          |
|-------------------|----------|
| SharePoint        | Expert   |
| Azure AI Foundry  | Advanced |
| Copilot Studio    | Advanced |
| Azure AI Services | Advanced |

|                     |          |
|---------------------|----------|
| Power Apps          | Expert   |
| Power Automate      | Expert   |
| Azure Function Apps | Advanced |
| Azure Runbooks      | Advanced |

|                  |          |
|------------------|----------|
| TypeScript       | Advanced |
| C#               | Advanced |
| PowerShell / PnP | Advanced |
| Python           | Basic    |

## Technology Experience

### Programming Languages

- C#, .NET Core, PowerShell
- JavaScript, TypeScript,
- Node.js
- Java, VBA, Lua, PL/SQL
- Python
- Azure CLI

### Azure Services

- Azure AI Foundry / PromptFlow
- Azure AI Search
- Azure OpenAI Service
- Azure API Management
- Azure App Registrations
- Azure Logic Apps
- Azure App Service
- Azure Runbooks
- Azure Functions
- Azure Storage Accounts
- Azure SQL
- Azure API Apps
- Azure CLI

### Custom Backends & APIs

- SharePoint REST/CSOM API
- Dropbox REST API
- Bloomberg COM API
- Reuters COM API
- Datastream API
- Firebase REST API
- Google/Yahoo Finance REST

### Microsoft 365 Components

- SharePoint Online
- Power Automate
- Power Apps
- AI Builder
- Copilot Studio
- Power Pages
- Power BI
- M365 CLI

### Development Tools

- Azure DevOps
- Azure DevOps Pipelines
- VS Code, Visual Studio, ReSharper
- Jenkins
- Git, GitHub, GitHub Copilot
- NPM/Yarn, NuGet, Chocolatey
- Grunt, Gulp, ESLint
- NUnit, Jasmine, Mocha + Chai
- ANTS, dotTrace, JProfiler
- TOAD, SQL\*Plus, SQL Developer

### Programming Concepts

- Promises, Callbacks, Events
- Modules, Closures, Hoisting
- Lambda Expressions
- Generics, LINQ, Encoding
- Object Oriented Programming
- Functional Programming

### On Premise Technologies

- Windows Server
- Active Directory
- MS SQL Server
- IIS (Internet Information Services)
- Group Managed Service Accounts

### UI Frameworks & Web Technologies

- SPFx Framework (SharePoint)
- Power Apps Component Framework (PCF)
- React, JQuery, AngularJS, Sencha
- JSON Web Tokens
- CORS, GraphQL
- Blazor, SignalR
- HTML5, CSS3
- SVG, Canvas, Web Components
- Bootstrap
- WPF/XAML, WinForms
- Java Swing, Vaadin

### Cryptography

- AES256, PBKDF2
- SHA256, HMAC
- Crypto.JS
- .NET/JAVA Cryptography

### Quality Management

- SCRUM, JIRA, Youtrack
- ITIL, ISO 9001

## Services



### Copilots, AI / RAG Solutions

AI trainings & webinars. Implementation of Retrieval Augmented Generation solutions using Azure AI Studio and Copilot Studio. Model fine-tuning, evaluation, benchmarking.



### Microsoft 365 App Development

Business Process Automation, Power App Development, Extranet Solutions using Power Pages, AI Builder, Microsoft Dataverse Backends, Power Apps Component Framework, Custom Connectors.



### SharePoint Solutions

Information Architecture, Solution Design, Custom Collaboration Sites, Document Management Systems, Portals, Web Part Development, Integration with Azure Logic Apps or Power Automate.



### Microsoft 365 Consulting

M365 Governance, Intranet solutions, Migration Projects, Data Loss Prevention, Retention Policies, Best Practices, Webinars, End-User Trainings, 3rd Level Support.