

Markus Furtlehner

Senior Software Engineer & Solution Architect

Custom software end-to-end — from mainframe banking through enterprise backends to cloud-native & AI systems.



CONTACT

LOC Leonding · Linz, Austria
MAIL office@markusfurtlehner.at
TEL +43 732 99 71 89
WEB www.markusfurtlehner.at
IN linkedin.com/in/markus-furtlehner
GH github.com/markusfurtlehner

LANGUAGES

German	Native
English	Full professional proficiency
Afrikaans	Basic

EDUCATION

2002 – 2007
Matura, Technical College for IT
HTBLA Leonding · Leonding, AT

1999 – 2000
Exchange year
Excelsior Laerskool · Port Elizabeth, South Africa

CERTIFICATIONS & LICENSES

Private Pilot License (PPL-SEP)
Driver's license (B)
IT liability insurance (exali)

INTERESTS

Sport flying (PPL) · Archery · 3D printing · Guitar
· Travel

PROFILE

Senior Software Engineer and Solution Architect with 19+ years of professional experience building custom software — from mainframe banking through enterprise backends to cloud-native and AI systems. I design, build and operate solutions end-to-end: from the database schema through scalable .NET / Node.js backends to DevOps, infrastructure and IoT hardware. As founder and managing director of IT-Trail GmbH I combine deep technical expertise with entrepreneurial thinking — delivering from architecture to operations.

SKILLS

Languages	C# · TypeScript / JavaScript · SQL · Python · PowerShell · PHP · Java · PL/I · C / C++
Frameworks & Platforms	.NET Core / .NET Framework · ASP.NET · Blazor · Node.js · React / React Native · HTML / CSS
Cloud & DevOps	AWS (EC2, Lambda, DynamoDB) · Azure · Docker · Ansible · Nginx / PowerDNS · CI/CD · Linux & Windows Server
Data & Monitoring	MSSQL · PostgreSQL · MySQL / MariaDB · Oracle PL/SQL · DB2 · Grafana · Splunk
AI & Agentic	LLM integration (OpenAI, Anthropic, Google) · Agentic development · OCR pipelines · AI-assisted engineering
IoT & Embedded	ESP32 (ESP-IDF) · Arduino / Controllino · Raspberry Pi · PCB design (EasyEDA) · 3D printing (FreeCAD) · KNX
Methods	Solution Architecture · Product Ownership · IT Consulting · Scrum / Agile · Team leadership

EXPERIENCE

Founder & Senior Consultant · IT-Trail GmbH

since 2025

Linz, AT

Custom software development for clients across the DACH region

Web hosting, DevOps automation and ongoing support

C# · Node.js · Azure · AWS · Linux · SQL

Independent IT Consultant · itruf-consulting.at

2023 – 2025

Linz, AT

Design and development of client-specific software solutions

Built hosting and deployment infrastructure

C# · Node.js · Web · Linux · SQL · MS365

Software Engineer & Consultant · Kendox AG

2022 – 2024

Vienna, AT

Deployment tooling for automated installation of client systems in the cloud

Consulting for DMS (Kendox InfoShare) and OCR for incoming invoices

PowerShell · C# · MSSQL · REST API

DevOps Engineer (AWS Cloud) · Namirial GmbH

2020 – 2022

Ansfelden, AT

Automated EC2 deployments for client systems worldwide

Centralized logging in Splunk and event-based alerting

AWS (EC2, Lambda, CloudWatch) · PowerShell · Node.js · DynamoDB

Head of IT · extrunet GmbH

2019 – 2020

Eberstalzell, AT

Planned and executed the relocation of the entire server & client infrastructure

Trade-fair IT for K-Messe Düsseldorf (info screens, kiosks, tablets)

C# · ASP.NET · MSSQL · Grafana · Fortigate

Software Engineer · bet-at-home.com

2017 – 2019

Linz, AT

Built a new interface importing Betradar betting data into the backend

Outlook add-in for automatic sorting and routing of support mail

C# · MSSQL · ASP.NET

SELECTED PROJECTS

Atoo Studio · 2026

Agentic Development Environment (open source): a browser-based environment for AI-assisted software development with agents, live preview, Git, containers and SSH in one interface.

TypeScript · Node.js · Docker · AI Agents

SiteHorse.ai · 2025 – 2026

AI-powered platform for building small to mid-sized websites including hosting — automated and with no technical knowledge required.

AI · SaaS · Node.js · Hosting

Cloud Platform · 2025

Central web interface with distributed agents (Windows service / Linux daemon) to manage, monitor and deploy a cloud infrastructure.

.NET Core · Blazor · SignalR · Ansible

Quell Soundmasking · 2025

IoT hardware product end-to-end for AIGA Akustik GmbH: from enclosure through PCB and firmware to the management platform and app control.

ESP32 · PCB design · React Native · Blazor