



Michael Rauen

Senior Software Architect & Full-Stack Lead – AI Agents, LLM Integration, SaaS

Droidtech e.K. · 54533 Hasborn, Germany · mail@droidtech.de · +49 6574 227 0937 · droidtech.de

20+ years

software development since
2001

100 % remote

available immediately

AI-accelerated

Claude Code, Cursor, LLM
agents

DE / EN

German native, English fluent

PROFILE

I take software products from idea to production – fast and at production quality. My strength is the big picture: clear requirements, a sound architecture, multi-tenancy, roles and permissions, data protection, integrations, tests, deployment and operations. Delivery is AI-accelerated: I design the product, decide architecture and technology, and steer AI coding agents with clear rules, reviews and automated tests. This way, platforms that classic teams build in months go live in weeks.

Best fit for: MVP and product development · AI/LLM integration into business software · technical lead for AI-assisted development · modernisation of legacy .NET systems.

SELECTED PROJECTS

Operations platform for a transport-service franchise system

02/2026 – 09/2026

Client: Talamobil (Taxi Lang GmbH) · Role: concept, architecture and build of the platform

- Platform to run all transport services across franchisees: tendering and costing, tour and route planning (VRP solver with Google OR-Tools), live dispatch ("control tower"), fleet, staff, subcontractors, franchise billing.
- Driver app (Flutter) with offline sync, departure checks, QR scanning, signatures, GPS tracking and push.
- AI core (Google Gemini): extraction of PDF tour tenders with ever-changing layouts into structured data for costing and tour planning – tours with outbound and return trips, passengers, special needs such as wheelchairs or escorts; "Smart Intake" through to a draft tour plan. Plus AI document extraction for data maintenance, a help assistant with semantic search and PII masking before every AI call.
- 4-level multi-tenancy, modular permissions, audit and deletion logs, GDPR anonymisation.
- Scale: approx. 1,000 API endpoints, 26 background jobs, 1,700+ unit tests and 100+ E2E tests, CI/CD to Cloud Run.

[ASP.NET Core 9](#) · [Clean Architecture/CQRS](#) · [EF Core](#) · [MySQL](#) · [Redis](#) · [SignalR](#) · [Next.js 16](#) · [Flutter](#) · [Google Maps](#) · [GCP](#) · [Azure DevOps](#)

Relaunch of an AI-powered job platform (B2B SaaS)

2022 – 03/2026

ZNAPP GmbH, Frankfurt (investor-funded start-up) · Role: Head of IT / Lead Senior Developer

- Rebuild of the platform: job search, talent pool, admin dashboard with real-time KPIs, analytics, e-mail campaigns.
- Semantic job search with Gemini embeddings and Qdrant vector database, AI CV parsing, 9 AI suggestion services.
- Monetisation: Stripe subscriptions with 7 plans, pay-per-click billing with budgets and monthly invoicing.
- Integration of 120+ applicant tracking systems (Kombo), XML feeds, Google for Jobs, radius search (MySQL spatial).
- Designed and built the pre-cloud infrastructure in a data centre to cut costs: multi-server rack with VMs, Windows/Linux, MySQL, Qdrant, nginx, networking and VPN; later migrated to Google Cloud.
- Migration of approx. 20,000 candidates from the legacy system, deployment on Google Cloud (staging/production).

[.NET 9](#) · [ASP.NET Core](#) · [EF Core](#) · [MySQL](#) · [Qdrant](#) · [Redis](#) · [SignalR](#) · [Next.js 16](#) · [React 19](#) · [Stripe](#) · [Google Cloud](#) · [Vertex AI](#)

SoftCurve Studio – AI production platform (own brand)

09/2026 – present

Droidtech e.K. · softcurvestudio.de · Role: sole concept and AI-assisted delivery

- Own brand for sculptural 3D-printed objects, sold on Etsy. Behind it, a self-built end-to-end chain from AI product idea through image generation, 3D model, printability checks and slicing to marketplace listing, order, print and shipping.
- Distributed node system (Windows service) with prioritised job queue for GPU, LLM and image jobs and self-update; 3D printer integration via MQTT/FTPS including live camera.
- Multi-LLM: Claude for ideas, copy, pricing suggestions and image review; Tencent Hunyuan3D for 3D models; OpenAI and local image models; AI cost control.
- Speed proof: approx. 950 commits in 11 days, 2,100+ automated tests, passwordless login, encrypted secrets.

.NET 10 · ASP.NET Core · EF Core · MySQL · SignalR · Next.js 16 · three.js · Python/Blender · S3/Cloudflare R2 · Claude · Hunyuan3D · Etsy API

Own SaaS products in production

current

- **Klickdemo** (klickdemo.com): an AI agent explores web apps, websites and Excel files and produces narrated product videos in 40+ languages; approval workflow, credit billing, AES-256-GCM, hosting in Germany/EU.
- **FuE Stundenzettel** (fue-stundenzettel.de): audit-proof time tracking for the German R&D tax credit with approval workflow, change log, timesheets per Federal Ministry of Finance template and exports.
- **Castfold** (castfold.com): management of multiple YouTube channels with Google OAuth, analytics and AI video studio.

SKILLS

Architecture	Clean Architecture, CQRS, modular monoliths, multi-tenancy, roles/permissions, API design, job processing, real-time
AI / LLM	Claude, OpenAI, Google Gemini/Vertex AI, AI agents, document extraction, embeddings, semantic search (Qdrant), PII masking, AI cost control
AI-assisted dev	Claude Code, Cursor – agentic development with rules, reviews and test gates
Backend	C#, .NET 9/10, ASP.NET Core, EF Core, MediatR, SignalR, VB.NET/ASP.NET (legacy)
Frontend / Mobile	TypeScript, Next.js, React, Tailwind, Blazor, Flutter, Xamarin
Data	MySQL, MS SQL Server, Redis, Qdrant, S3
Cloud / DevOps	Google Cloud (Cloud Run, Cloud SQL), Azure, Azure DevOps Pipelines, Docker
Integrations	Stripe, Google Maps/OR-Tools, Etsy, YouTube, ATS (Kombo), MQTT, OAuth
Quality / Security	xUnit, Playwright E2E, GDPR, audit logs, encryption, CSRF, secure authentication
Leadership	Head of IT, sprint planning, requirements workshops, client consulting

EXPERIENCE

20+ years of software development, from ASP.NET to AI agents.

since 2016	Owner, Droidtech e.K. – custom software, own SaaS products, certified R&D (BSFZ)
2022 – 2026	Head of IT / Lead Senior Developer , ZNAPP GmbH, Frankfurt am Main
2018 – 2022	Software Developer & IT Administrator , Arend Prozessautomation / ARENDAR IT-Security
2012 – 2018	C#, ASP.NET and VB.NET Developer , 10Geeks, burg ITC, DasaTech
2001 – 2006	ASP.NET/VB.NET Developer , Anker Medical Technologies

As of October 2026 · References available on request