

CONTACT

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SKILLS

AI / LLM

- Claude API
- GPT-5
- Gemini
- DeepSeek
- Whisper
- Voyage
- HNSW
- Function Calling

Backend

- Python
- FastAPI
- Node.js
- SQLAlchemy
- Express 5
- MongoDB

Frontend

- TypeScript
- Next.js 15
- React 19
- React Native
- Tailwind

FinTech & Infra

- IBKR
- Alpaca
- Optuna
- Docker
- AWS
- CI/CD

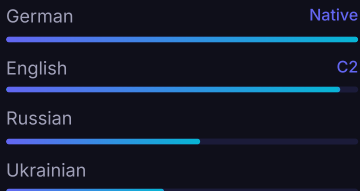
Project Management

- Stakeholder Mgmt
- Vendor Migration
- Team Leadership
- KRITIS

Design & Strategy

- Design Thinking
- UI/UX
- Adobe Suite
- Unity
- Unreal

LANGUAGES



EDUCATION

German grading: 1.0 (best) – 4.0 (pass)

B.Sc. Computer Science

IU International University
1.7 · 150/180 ECTS · in progress
Since 2023 · Expected 2026

B.A. Design · 1.2 with distinction

FH Münster · 2020–2023
Thesis: "Climate 360" VR experience
Unreal Engine · **Grade 1.0**

AVAILABILITY

- Available with notice period
- Open to remote & hybrid

METHODOLOGY

- AI-assisted dev
- Claude CLI
- Agile
- CI/CD



Emil Herzberg

AI Engineer & Fullstack Developer

14+

LLM PROVIDERS

170+

PYTHON MODULES

2

APPS IN STORES

5

SHIPPED PRODUCTS

Trained in design, self-taught into AI engineering. Building production systems end-to-end — from multi-provider LLM orchestration to mobile apps live in both stores. Seeking an AI Engineer or Fullstack Developer role.

EXPERIENCE

IT Project Manager [Impressum Health & Science](#)

May 2025 – present

- Manage G-BA quality reporting systems (KRITIS) and the German Hospital Directory (DKV) — validation schemas carry legal force
- Stakeholder management at Germany's highest healthcare authority, directing developer teams on implementation
- Led vendor migration of critical healthcare infrastructure with zero downtime and on-time delivery
- Established support organization from the ground up: processes, staff training, automation under GDPR/healthcare compliance

Freelance Web Developer [Vocatis GmbH](#)

2023

Developed recruitment platform frontend as sole developer

Freelance Illustrator [Hanser Verlag](#)

2020

Technical illustrations for a medical engineering textbook

FEATURED PROJECTS

AI Trading Creator & Developer

2025 – present

Autonomous trading platform in cooperation with Absolute Software GmbH (Hamburg). AI agents analyze markets across 8 providers, execute via IBKR and Alpaca, and optimize strategies with Bayesian search. 170+ Python modules, layered architecture.

Next.js 15 FastAPI SQLAlchemy Docker Optuna 8 AI providers 3 brokers

LYLU AI Diary Solo Dev & Designer

2025 – present

Voice diary with Whisper transcription and sentiment analysis. Shipped to Apple App Store and Google Play with subscription and ad monetization.

React Native Expo 53 Express 5 FastAPI MongoDB

OTHER PROJECTS

Cosmic Trap — Mobile arcade game, real-time polygon clipping, solo shipped to both stores · Unity, C# 2024

Out of Ideas — LLM benchmark: 10 models, 1,856 generations, 14 providers · TypeScript [\[github\]](#) 2026

Honest Factor Research — Factor model audit: 2,944 stocks, 28 factors · Python [\[github\]](#) 2026

Climate 360 — Immersive VR climate change experience, solo Unreal Engine dev, thesis 1.0 · Unreal, VR 2023