Alex Martínez

AI Engineer · LLMs, RAG & MCP

alexmtzai2002@gmail.com · +49 171 4758416 ·
Kleine Hammerstraße 41, 45326 Essen, Essen, Germany · linkedin.com/in/alexmtzai ·
github.com/luis12007 · Portfolio

Work authorisation: Germany Opportunity Card (Chancenkarte, § 20a AufenthG)



PROFILE

AI Engineer with 5 years of experience and a truly end-to-end profile: in my last two roles I have taken AI products from the first requirements conversations, through hands-on engineering, all the way to leading the team that ships them, working with state-of-the-art models both via API and self-hosted. I recently moved to Germany, where I will begin my M.Sc. in Artificial Intelligence in April 2027, and I am looking for my next AI engineering challenge. I would be delighted to meet you.

EXPERIENCE

09/2025 – 10/2026

AI Engineer Lead (promoted from AI Engineer) · TELUS Digital, San Salvador, El Salvador (hybrid)

- Led a team of 15+ AI engineers in a hybrid role that blended people management with hands-on engineering, tracking delivery, unblocking work and keeping senior leadership up to date
- Built the team's way of working from the ground up (CI/CD, engineering standards, documentation and security compliance), giving every engineer a shared, reliable path from idea to production
- Designed and shipped Model Context Protocol (MCP) servers and APIs on our GCP infrastructure, connecting the client's LLM to its tools on a platform with 8,000+ daily users
- Ran the evaluation of moving from API-based to self-hosted LLMs, measuring hallucination, retrieval-augmented generation (RAG) consumption, speed, accuracy and cost with DeepEval
- Worked side by side with the client and Product Owner to build requirements and turn business needs into new features and validations, delivering 2 AI-first projects still in production

05/2022 – 09/2025

Founder & Software Engineer · MySoftwareSV, El Salvador

- Founded and ran my own software company, delivering 15+ projects for clients from requirements and architecture to delivery and support across web, SaaS, ERP, CRM, desktop and mobile
- Built a SaaS billing platform (React + custom REST API) that 20+ client companies and their teams rely on daily, automating invoicing, payments, notifications and government e-invoicing
- Extended it into an enterprise billing API (Java Spring Boot, multi-server AWS) for 5 sister companies, built to industry and security-compliance standards to connect government e-invoicing to their systems
- Delivered a multi-branch enterprise resource planning (ERP) system in C# .NET, bringing point of sale (POS), inventory for 3 branches, HR/payroll and sales insights into one cloud platform

INTERNSHIPS & VOLUNTEERING

08/2023 – 11/2023

Network Specialist (Volunteer) · Hospital El Salvador, El Salvador

- Set up the network infrastructure while helping build the hospital's facilities, installing and configuring 4 computers and a router for reliable staff connectivity
- Helped set up and organize the hospital library as a functional space for information and resource management

08/2021 – 01/2022

IT Intern (IT Support) · Fe y Alegría El Salvador, Nuevo Cuscatlán, El Salvador

- Managed IT operations for 5 branches, each with its own computer center, while supporting the headquarters and keeping systems and communication consistent across locations
- Strengthened customer service, task prioritization and team coordination by handling technical support for multiple branches in parallel

PROJECTS

Fuel iX · TELUS Digital
Coordinated 15+ AI engineers building an entire platform and its infrastructure, including new MCP servers that connect LLMs with client systems, supporting more than 8,000 users a day on average

GymJudge · github.com/luis12007/mobile_app_gymnastics
Continued development for a client of a cross-platform app (web, Android, iOS) for scoring MAG/WAG gymnastics routines under FIG rules: requirements, prototyping and Android/iOS optimization

Leveraging NLP in Medical Prescription · Omdena · leveraging-nlp-omdena-medical-prescription-app.streamlit.app
Reached 84% accuracy predicting diseases from symptoms for illnesses prevalent in Africa, by comparing Random Forest, Gradient Boosting and neural network models within a 50+ person international team

EDUCATION

04/2027 – 04/2029 **M.Sc. Artificial Intelligence** · IU International University of Applied Sciences
Upcoming, starting April 2027

08/2025 **Bachelor in Software Engineering** · Universidad Centroamericana "José Simeón Cañas" (UCA)

SKILLS

LLMs & GenAI	LLM APIs, RAG, MCP servers, LangChain, self-hosted LLMs, model quantization, LLM evaluation (DeepEval)
ML & Data	PyTorch, TensorFlow, scikit-learn, Pandas
MLOps & Cloud	GCP (Vertex AI, BigQuery), AWS, Docker, CI/CD, Jenkins, NGINX, Linux
Software	Python, Java Spring Boot, C# .NET, React, React Native, REST APIs
Leadership	Team leadership, knowledge transfer & training, stakeholder management, requirements engineering, security compliance

LANGUAGES

Spanish Native · English C1 · German A1 (A2 course in progress · exam April 2027)

CERTIFICATIONS

TensorFlow for Deep Learning Bootcamp · Zero To Mastery	06/2025
Leveraging NLP in Medical Prescription · Omdena Local Chapter	05/2025
PyTorch for Deep Learning Bootcamp · Zero To Mastery	04/2025
Complete A.I. & Machine Learning, Data Science Course · Zero To Mastery	01/2025
Algorithms and Data Structures · Zero To Mastery	12/2024
AWS for Developers, Linux, SQL and more · LinkedIn Learning	12/2024
Data Science and Python Basics · Omdena Academy	12/2024
Machine Learning Basics · Omdena Academy	11/2024
Fundamentals of AI & Machine Learning Program · Zero To Mastery Academy	06/2024

REFERENCES

Written recommendations from previous clients and team members · Read on LinkedIn

Essen, 22 October 2026

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