Technical Co-Founder / CTO (m/f/d)

Machine Learning and AI Assurance

New AI model: better, or just noise? We make this question verifiable, and you own the technology behind it.

Our goal with AJA: anyone who changes an AI model should be able to show that it has not become worse, in a way that third parties can recompute themselves. We are starting in defence, where retrained models must be revalidated before deployment.

ROLE	SETUP	COMPENSATION	INCORPORATION	LOCATION
Technical lead, hands-on with code	possible alongside a degree or PhD	Equity, no salary	Spring 2027, after a 4–8 week trial phase	Berlin · German or English

THE PROBLEM

The AI model that was tested is often not the one that ends up running: it gets quantized, reconfigured or retrained. Whether the original test still holds is today mostly just asserted.

AJA builds an assurance chain for this. Criteria and test cases are fixed and sealed in advance, the baseline and new model are compared pairwise, and the verdict is *pass*, *fail* or *undecidable*. The result is a signed evidence pack that third parties can recompute offline.

What already exists

- An evidence format with sealing, Ed25519-signed registration and an independent offline verifier.
- Capture of the deployment configuration: does an approval cover what is actually running?

Next, a pre-registered study will examine whether quantization systematically changes the decisions of language models. **If you are interested, we are happy to send you a project outline.**

YOUR ROLE

You take technical ownership.

- Critically review the prototype and decide what stays and what gets rebuilt.
- Write code yourself and lead the first experiments with language models.
- Later, as AJA grows, build and lead the engineering team.

WHAT YOU BRING

Technical

- **Hands-on machine learning:** you have trained, evaluated and compared models in Python.
- **Statistical judgement:** you can tell when a test result actually holds.
- **Rigorous engineering:** tests, versioning, reproducible experiments.

As a co-founder

- **Entrepreneurial mindset:** you want to build something; no founding experience needed.
- **Team and leadership:** you explain decisions clearly and want to lead a team later on.

A big plus: experience with formal methods.

Nice to have: llama.cpp, vLLM or CUDA, C/C++, cryptographic signatures.

WE OFFER

- **A co-founder role with fair equity,** earned over time (vesting).
- **Real ownership** of architecture, methodology and priorities.

> **No salary until the first funding round.** Our first application area is defence; you should be open to that.

WHO WE ARE

Adrian Diezmann (CEO), **Jannik Greve** (CFO/COO) and **Arved von Witzleben** (CPO), BSP Business & Law School Berlin. What we are missing is technical leadership.

IDEAL FOR

Master's students, PhD candidates or early-career engineers in machine learning, statistics or computer science.

GET IN TOUCH

Three sentences about yourself and a link to code, GitHub or a paper are enough.

Then: a first conversation, a 4–8 week trial phase, incorporation in spring 2027.

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aja-assurance.com
Adrian Diezmann
German or English

AJA is a start-up project. We are exploring funding; nothing has been committed. **Data protection:** The controller is Adrian Diezmann. We use your details only for this search, share them only within the founding team and delete them no later than 6 months after the selection process ends. You have the right to access, rectification and erasure, and you may lodge a complaint with a supervisory authority. Full information comes with our first reply and at aja-assurance.com/privacy.html; contact: info@aja-assurance.com. Valid until 31 Jan 2027.