



Targenomix is a research-focused company based in the metropolitan region of Berlin, Germany, with core expertise in computational and systems biology. Starting as a spin-off from the Max-Planck Institute of Plant Physiology 12 years ago, since 2022 we are part of the Bayer-Family driving research with innovation, passion, and commitment to solve challenges in crop protection and to deliver outstanding agricultural products.

Our core mission is to pioneer systems biology and drug discovery using omics data and AI to deliver safe and sustainable crop protection products.

## Junior AI / MLOps engineer (m/f/d)

At Targenomix you have the unique opportunity to be part of cutting-edge projects in a highly skilled, interdisciplinary team composed of molecular biologists, domain experts in plant physiology, mass-spectrometry and omics-data analysts, as well as machine-learning experts.

In this position you will be active at the interface between ML/AI research and core infrastructure, working closely with experienced DevOps engineers, PhD-level bioinformaticians/ML experts, and biologists as end users to ensure AI services are reliably deployed, monitored, and maintained.

### YOUR TASKS AND RESPONSIBILITIES

#### Deployment & Packaging

- Containerize and deploy models/agents developed by the ML team
- Maintain CI/CD pipelines specifically for ML artifacts
- Manage inference server deployments (vLLM, llama.cpp, TorchServe, etc.)

#### Operations & Monitoring

- Implement and maintain observability for AI services (e.g. Prometheus, Grafana, logging)
- Monitor for drift, latency, cost, and reliability
- First responder for AI service incidents (with escalation paths to ML Team or DevOps)

#### Platform Maintenance

- Keep MLflow, experiment tracking, and model registries healthy
- Help managing GPU resource allocation and scheduling
- Maintain vector databases and embedding services for RAG/agent systems

#### Documentation & Process

- Write runbooks for AI service operations
- Document deployment procedures and troubleshooting guides
- Help clarify ownership boundaries between ML, infra and CLS

## WHO YOU ARE

Education:

- Degree in Computer Science, Data Science, Engineering, or equivalent qualification

Skills:

- Hands-on exposure to MLOps tooling (e.g., MLflow/Weights & Biases / Kubeflow / SageMaker) and model serving (e.g., KServe / Triton / TorchServe)
- Experience with LLM/RAG deployments (Hugging Face, embeddings, vector databases) and LLM serving (vLLM, llama.cpp, TGI, Ollama)
- Python proficiency and some experience with common ML frameworks (e.g., PyTorch or TensorFlow; scikit-learn)
- Solid Linux command-line skills, familiarity with git and CI/CD concepts (GitHub Actions, GitLab CI, etc.) and security basics (secrets management, least privilege)
- Hands-on experience with containerized environments like docker and Kubernetes welcome
- Previous exposure to infrastructure-as-code (Terraform), streaming & data engineering tools (Kafka / Flink), dbt or Spark and observability (Prometheus / Grafana / OpenTelemetry) is beneficial

## POSITION HIGHLIGHTS

- **Career Growth:** This role is designed as a stepping stone – your career development will be guided by our senior experts in alignment with your career aspirations.
- **Professional Development:** We provide development potential and strongly encourage both within domain and “outside-the-box”-curiosity. Depending on your skill set you will be mentored by senior experts at Targenomix to expand your expertise in relevant areas on the task.
- **Collaborative Environment:** You will work within a team that values cross-disciplinary collaboration, sharing ideas, and pushing the boundaries of knowledge. Strong communication skills and proactivity in a diverse environment where engineering and science focused colleagues rely on each other to succeed are highly appreciated.

## YOUR APPLICATION

Are you looking for a new challenge where you can show your passion for data science and omics data? Are you interested in working as part of Targenomix team and interact with domain experts to advance systems biology to the next level? Then send us your application including CV and references by email to [job2026@targenomix.com](mailto:job2026@targenomix.com).

The application deadline is the 20th April 2026.

The position is a fixed-term two years employment with the option of permanency.

Targenomix welcomes applications from all individuals, regardless of race, national origin, gender, age, physical characteristics, social origin, disability, union membership, religion, family status, pregnancy, sexual orientation, gender identity, gender expression or any unlawful criterion under applicable law. We are committed to treating all applicants fairly and avoiding discrimination.



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