

A background image showing a modern building with large glass windows. In front of the building, there are several large, gold-colored balloons that spell out 'TÜV AUSTRIA'. The text 'TÜV AUSTRIA BELGIUM NV – AI Engineer' is overlaid in white on the left side of the image.

TÜV AUSTRIA BELGIUM NV – AI Engineer

What will you do?

TÜV Austria Belgium is looking for a highly qualified and motivated **AI Engineer** to strengthen our Data Intelligence team. In this role, you design, develop, and deploy innovative AI solutions that help organizations solve complex business challenges and unlock value from data. You work with machine learning, Generative AI, and cloud technologies to build scalable, production-ready applications.

Are you passionate about Artificial Intelligence, Large Language Models, and cloud-native architectures? Then we look forward to receiving your application.

Key Responsibilities

- **AI Solution Development:** Design, develop, and deploy AI and machine learning solutions. Build end-to-end AI applications, from data ingestion and model development to deployment and monitoring.
- **Generative AI & LLMs:** Develop AI assistants, copilots, intelligent agents, and RAG applications. Implement prompt engineering, orchestration, and optimization strategies to maximize business value.
- **AI Architecture & Engineering:** Design scalable APIs, microservices, and cloud-native AI architectures. Implement vector search, semantic search, and knowledge retrieval solutions.
- **Cloud AI Platforms:** Build and deploy AI solutions on Microsoft Azure, AWS, and Google Cloud, leveraging platforms such as Azure OpenAI, Azure AI Foundry, AWS Bedrock, SageMaker, and Vertex AI.
- **MLOps & LLMOps:** Implement automated deployment, monitoring, governance, and lifecycle management processes for AI solutions, following MLOps and LLMOps best practices.
- **Data Engineering & AI Enablement:** Develop data pipelines and feature-engineering processes that support AI and analytics workloads while ensuring data quality and scalability.
- **Client Interaction:** Work closely with clients to translate business requirements into AI solutions and present concepts, prototypes, and results to diverse stakeholders.
- **Collaboration:** Collaborate with data engineers, software developers, AI specialists, cybersecurity experts, and project managers to deliver end-to-end solutions.
- **Continuous Innovation:** Stay up to date with emerging AI technologies and contribute to innovation and knowledge sharing across the organization.
- Een functie waarin je actief bijdraagt aan de verdere ontwikkeling en groei van de AI & Digital-divisie binnen TÜV Austria, met impact op innovatieve projecten rond Artificial Intelligence, Generative AI en Agentic AI in uiteenlopende sectoren.
- Een ondersteunende en collegiale werkomgeving met een open en respectvolle bedrijfscultuur, waar kennisdeling, samenwerking en continue verbetering centraal staan.

- De kans om te werken met de nieuwste AI-technologieën, cloudplatformen en enterprise-oplossingen, en organisaties te ondersteunen bij het creëren van waarde met moderne AI-capaciteiten.
- Een organisatie die haar winst bewust herinvesteert in medewerkers, technologie en dienstverlening, zodat je werkt in een omgeving die voortdurend innoveert en inspeelt op nieuwe technologische ontwikkelingen.
- Uitgebreide mogelijkheden voor professionele ontwikkeling via opleidingen, certificeringen en praktijkervaring binnen Artificial Intelligence, Generative AI, Machine Learning, Cloud AI Services, MLOps en AI Engineering.
- De mogelijkheid om een sleutelrol te spelen in het vormgeven van de toekomst van AI-gedreven dienstverlening en digitale innovatie binnen TÜV Austria Belgium en haar klanten.
- Flexibele werkregelingen en een gezonde work-life balance, zodat je zowel professioneel als persoonlijk optimaal kunt presteren.
- Een competitief salarispakket aangevuld met een uitgebreid pakket extralegale voordelen, waaronder:
 - Maaltijdcheques van €8 per gewerkte dag en ecocheques ter waarde van €250 per jaar.
 - Hospitalisatieverzekering (inclusief ambulante zorgen en tandzorg), groepsverzekering en de mogelijkheid om gezinsleden aan te sluiten.
 - Eindejaarspremie.
 - Mobiel abonnement en een Bring Your Own Device-vergoeding.
 - Laptop.
 - Bedrijfswagen met laadkaart of mobiliteitsbudget.
 - Flexibel Inkomensplan (FIP) met mogelijkheden zoals extra vakantiedagen, aankoop van telecomtoestellen, fietsleasing, enzovoort.
 - Anciënniteitsverlof vanaf 2 jaar dienst.
 - Glijdende werktijden, telewerkmogelijkheden en aandacht voor een gezonde work-life balance.

Who are you?

Education:

- Bachelor's or Master's degree in Computer Science, Artificial Intelligence, Data Science, Software Engineering, or a related field.

Experience:

- Minimum 5 years of experience in AI engineering, machine learning, software development, or data engineering.
- Proven track record of delivering AI solutions from concept and prototyping through production deployment.
- Experience working directly with customers and translating business requirements into scalable technical solutions.
- Fluency in both written and spoken Dutch and English is required.

Technical Skills:

- Strong proficiency in Python; experience with Java, C#, or JavaScript is considered an asset.
- Generative AI & LLMs:
 - Hands-on experience building Generative AI applications leveraging Large Language Models (LLMs) and foundation models.
 - Experience with frameworks and libraries such as LangChain, LlamaIndex, Semantic Kernel, or similar technologies.

- Familiarity with Retrieval-Augmented Generation (RAG), vector databases, semantic search, knowledge retrieval, and AI agent frameworks.
- Experience integrating AI coding assistants and autonomous agent capabilities into software engineering workflows.
- Machine Learning & AI:
 - Experience with machine learning and deep learning frameworks such as PyTorch, TensorFlow, Scikit-learn, or equivalent technologies.
 - Understanding of model evaluation, prompt engineering, fine-tuning, and responsible AI practices.
- Cloud Platforms & AI Services:
 - **Microsoft Azure:** Azure OpenAI, Azure AI Foundry, Azure Machine Learning, Azure AI Search, Microsoft Fabric.
 - **AWS:** Bedrock, SageMaker, Lambda, and related AI/ML services.
 - **Google Cloud:** Vertex AI and associated machine learning services.
- Software Engineering & Architecture:
 - Experience designing and developing APIs, microservices, and modern cloud-native applications.
 - Strong understanding of software architecture patterns and scalable application design.
 - Experience with Git-based development workflows and modern software engineering best practices.
- DevOps, MLOps & LLMOps:
 - Experience with DevOps, MLOps, and LLMOps methodologies.
 - Familiarity with CI/CD pipelines, automated testing, model monitoring, and AI application lifecycle management.
 - Experience with containerization and orchestration technologies such as Docker and Kubernetes.

Analytical Thinking:

- Ability to analyze complex business challenges and design innovative AI-driven solutions that deliver measurable business value.

Communication:

- Strong communication and stakeholder management skills, with the ability to explain complex AI concepts to both technical and non-technical audiences.

Ethical Standards:

- Commitment to responsible AI, data privacy, security, governance, and compliance with relevant regulations and industry standards.

<https://be.tuvaustria.com/>