

CANNYFORE

https://cannyfore.com/join-usjobs_section/genai-engineer/

GenAI Engineer

Description

We are looking for a skilled GenAI Engineer with a strong background in AI/ML and Generative AI. The ideal candidate should have a deep understanding of Large Language Models (LLMs), NLP pipelines, and the AI model lifecycle. The role involves designing, developing, and implementing responsible AI systems with a focus on safety, fairness, and enterprise-level integration.

Responsibilities

- Design and develop an **Enterprise Guardrails Engine** to enforce safety, appropriateness, and contextual accuracy of GenAI outputs in real-time.
- Implement a **Responsible AI Compliance Layer** aligned with organizational policies, focusing on bias detection, fairness, hallucination control, and toxicity monitoring.
- Build **Observability Dashboards** to monitor model safety KPIs, including semantic validation, prompt injection risks, and misuse patterns.
- Develop **Reusable APIs and SDKs** for integrating guardrails into existing and upcoming GenAI platforms.
- Conduct **Domain-Level Scenario Testing** across enterprise functions such as Marketing, R&D, and Supply Chain to validate guardrail effectiveness and responsible behavior.

Qualifications

- Strong background in AI/ML and Generative AI, with a deep understanding of LLMs, NLP pipelines, and AI model lifecycle.
- Hands-on experience in implementing Responsible AI frameworks, including bias detection, explainability (XAI), adversarial testing, fairness metrics, and model safety.
- Experience in designing and building guardrail systems for GenAI applications, including prompt filtering, semantic validation, toxicity detection, and hallucination mitigation.
- Experience with FastAPI for API development.
- Proficiency in Python with frameworks such as LangChain, Transformers, OpenAI, and LLM orchestration tools.
- Strong DevOps skills, including CI/CD, Docker, Kubernetes, and Git.
- Experience integrating GenAI models into enterprise platforms in a secure and ethical manner.

Job Benefits

- Opportunity to work on advanced Generative AI and enterprise-level systems.
- Exposure to Responsible AI practices and real-world implementation.
- Flexible work environment (Remote).
- Option to choose between Contract (6 months) or Permanent employment.

Hiring organization

cannyfore

Employment Type

Contractor

Duration of employment

Both Contract (6 months) and Permanent

Job Location

Remote work possible

Date posted

April 21, 2026