

Mistral AI - Software Engineer (Internship)

Link: [www.linkedin.com](https://www.linkedin.com)

Should Apply?  
✓

Apply

Job description

About the job  
IMPORTANT: To apply, candidates must:

- submit a GitHub repository (ideally),
- complete a project (mandatory)

Regarding the project, here are some examples of what you can do according to your preferences and interests:

- Chat Application: Create a chat app using Next.js with our public API
- Python Project: Develop a project in Python using vLLM or a similar technology
- Flexible Topic: Choose a topic using Python with FastAPI or Next.js with TypeScript that incorporates our SDK

We will pay particular attention to best practices:

- Include a detailed README for setup and usage
- Ensure the project is easy to test

We advise you to work at least one hour on the project.

About Mistral

At Mistral AI, we are a tight-knit, nimble team dedicated to bringing our cutting-edge AI technology to the world. Our mission is to make AI ubiquitous and open. We are creative, low-ego, team-spirited, and have been passionate about AI for years. We hire people that foster in competitive environments, because they find them more fun to work in. We hire passionate women and men from all over the world. Our teams are distributed between France, UK and USA

Role Summary

You will be working in our engineering team and will learn the specifics of AI software, to build internal and external tooling. The role is based in Paris. Internship duration: 3 to 6 months. We will prioritize candidates who can join us full time after a successful internship.

Key Responsibilities

Develop user-facing internal and external applications using Mistral AI models for the various purposes enabled by LLM (chatbot, search engines, document answering, ...). Instrument Mistral AI products with developer-facing tools (e.g. dashboards, evaluation interfaces, ...).

Qualifications & Profile

Excellent skills in full-stack development (Python/Typescript/Javascript). Strong ability to create smooth and high quality user experiences, for both developer facing and end-user facing products. Appetite and experience in front-end development, with mastery of one framework such as ReactJS, Svelte, Vue.js, HTMX, ... Strong ability in Python back-end development and clean code implementations. Appetite for constructing AI-based solutions, based on e.g. chat APIs, embedding APIs, etc, The successful candidate can adapt to new technologies very quickly, and can evolve in a quickly changing developing environment.

Process Interview

- Step 0: Submit your GitHub and project
- Step 1: Coding Interview
- Step 2: System Design Interview
- Step 3: Interview with our Engineering Team Lead

Benefits

- Daily lunch vouchers
- Contribution to a Gympass subscription
- Full health insurance for you and your family

Response

\*\*In short: Yes, apply.\*\*

Here's why this job offer corresponds to your experience and skills:

- \*\*Programming Languages and Frameworks:\*\***
  - They require excellent skills in full-stack development with Python/TypeScript/JavaScript. You have extensive experience with these technologies, as shown in your professional experience and projects.
  - They mention ReactJS, and you have experience with Next.js (which uses React) and other front-end frameworks like Angular.
- \*\*AI and Machine Learning:\*\***
  - The role involves building AI-based solutions, and you have a strong background in AI and machine learning, including projects like the trading bot and soccer games forecasting tool.
  - Your Master's degree in AI and experience with deep learning architectures and tools like PyTorch and TensorFlow are highly relevant.
- \*\*Project Requirements:\*\***
  - You have a GitHub repository to submit, which is one of the application requirements.
  - You have experience with both Python (using FastAPI) and Next.js with TypeScript, which are the suggested technologies for the mandatory project.
- \*\*Adaptability and Quick Learning:\*\***
  - The role requires adapting to new technologies quickly, and your experience demonstrates that you are a self-starter who can learn and apply new technologies efficiently.
- \*\*Cultural Fit:\*\***
  - The company values low-ego, team-spirited individuals who thrive in competitive environments, which seems to align with your problem-solving and leadership skills, as well as your experience in collaborative projects.

Key points of your experience matching the job:

- Full-stack development experience with Python, TypeScript, and JavaScript.
- Strong front-end development skills using ReactJS (via Next.js) and other frameworks.
- Proven ability to create AI-based solutions and a strong background in machine learning.
- Experience with relevant technologies like FastAPI and Next.js for the mandatory project.
- Demonstrated adaptability and quick learning in a fast-changing environment.
- Cultural fit with the company's values and working style.

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