

Backend language and use of AI

Which back-end language should I use for web scraping?

For backend development that involves automated web scraping, Python is often recommended. Here's why:

Rich Libraries: Python has powerful libraries like BeautifulSoup, Scrapy, and Selenium, specifically designed for scraping tasks. These libraries provide tools for parsing HTML and XML, navigating pages, and extracting data efficiently.

Ease of Use: Python's syntax is clear and concise, making it easier to write and maintain scraping scripts compared to more verbose languages.

Community Support: There is a large community of developers using Python for web scraping, which means abundant resources, tutorials, and forums are available for support and learning.

Flexibility: Python's flexibility allows it to handle various tasks involved in web scraping, from sending HTTP requests to processing data.

Integration: Python easily integrates with other parts of a tech stack, including data analysis and database management tools, making it a great choice for a project that involves not just scraping but also data processing and storage.

How can I use AI to improve my performance doing this project?

Backend Development

- **DeepCode:** To ensure code quality and catch bugs early, I'll integrate DeepCode into my workflow, which will scan the codebase for potential issues and suggest optimizations.
- **Performance Optimization:** AI suggestions for database query optimization will be considered to improve application performance.

Frontend Development

- **Builder.io:** For the frontend, I'm going to use Builder.io, which will allow for quick visual development and seamless integration with React, ensuring a rapid design-to-code process.
- **AI-Driven UI Testing:** Automated testing tools will be employed to conduct thorough UI checks across multiple devices and browsers.

Knowledge Management: AI will be harnessed to keep project documentation organized, making it easier to find and utilize information pertinent to the project. (Chat GBT & Taskade)