Full Stack Developer - Enterprise Web Applications

Who We Are

Zacks Investment Research (ZIR) is a privately-owned 550 person Chicago-based firm, with a 40-

year legacy of serving U.S. equity investors. Since its founding in 1978, as a provider of consensus

EPS forecasts, Zacks has grown to become the 2nd largest provider of independent investment

research in the U.S.

We are on a mission to redefine our interaction with financial data through AI-driven solutions.

What You’ll Do

Join our team to revolutionize our existing chatbot platform. Rewrite our current Streamlit UI with

enterprise-grade frameworks and transform our Python logic into robust API services. Your work

will underpin a responsive, high-performance, and scalable solution, interacting seamlessly with

Large Language Models and our financial databases.

* RAG
* Embeddings vectorize for easy search
* Langchain, llama index
* Microservice architecture

Responsibilities

1. UI/UX:

• Design and develop a user-friendly, responsive web interface using enterprise-grade

frameworks.

• Ensure the UI meets performance standards and is scalable to accommodate growing user

numbers.

2. Backend API Development:

**• Refactor existing Python functions into robust API services**.

• Utilize standard frameworks ensuring high concurrency and scalability.

3. Integration:

• Seamlessly connect the frontend and backend components for a cohesive user experience.

• Collaborate with the DevOps team to ensure smooth deployments and updates.

You Bring

• 5+ years of full-stack web development experience.

• Proficiency in modern web frameworks (e.g., React, Vue, Angular) and backend frameworks (e.g.,

Flask, Django, FastAPI).

• Strong understanding of RESTful API development and consumption.

• Familiarity with database operations and interactions.

• Knowledge of best practices for web performance, scalability, and security.

• Bachelor's Degree in Computer Science or related fields.

Location

This role can operate remotely or located in our Chicago office.

Compensation

We are looking for team members energized by the opportunity to drive innovation in the investment

and AI space. For compensation you should reasonably expect a base salary commensurate with your

experience level.

Studyduck

* Take an ai model
* Turn it into an api to run on cloud

Freelance work

* Document embeddings
* Vectorization and embeddings
* Set up RAG
* Api

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Rayna is related to zacks

New business development

Ai a ton

* How cam=n we start to change the way people interact with our daya
* Pioneered consensus
* Zacks investment arm
* Transitioned to the retail investor
* Providing retail investments to joe smoe
  + Stock tips for normal people
  + Help jobs
  + Pure financial to pick portfolio
  + The way people invest with current investments
  + Create chatbot to help people with research
  + Streamlit ui to build it out
  + ui/ux…
  + Bring this to consumer
  + Security
  + Scalability
  + Mi features
  + End user -- season vs. novice
    - Value vs growth
    - Retail used thing
    - Our focus on the retail investor
  + Rennae - ui and backend
    - Based on what we find
    - Wants to go over both

Venae - tech talk

2.5 hr motivational interview

Postgres

Vector db [part of this to be checked]

* How to do this efficiently
* Latency 20sec→5 sec
* How to make this more performant

api→Classification→text or sql→db→we already have the answer

Then make personalization

Have to prove people are interested in it

Monetize it

* Then very specific personalization
* A way proprietary informational