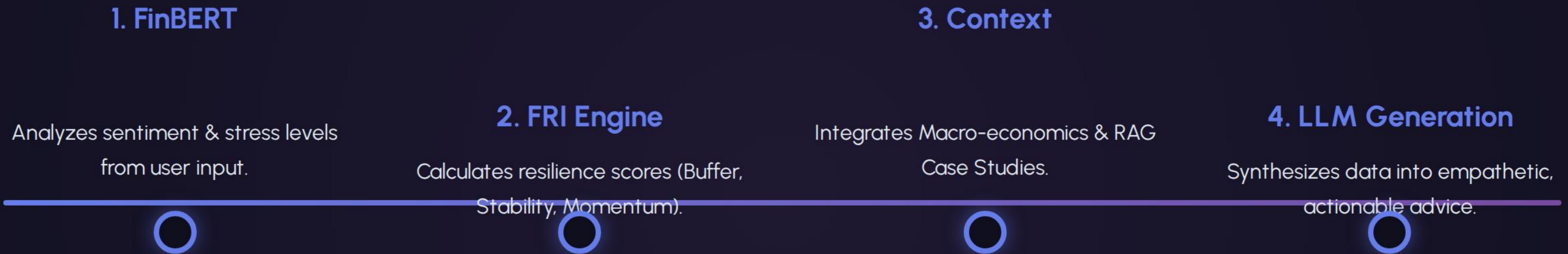


The Complete AI Pipeline

A deep dive into the architecture powering **Fiona**, Snappi's AI Financial Friend.

5-Stage Architecture Overview



Step 1: The Analyzer

FinBERT Technology

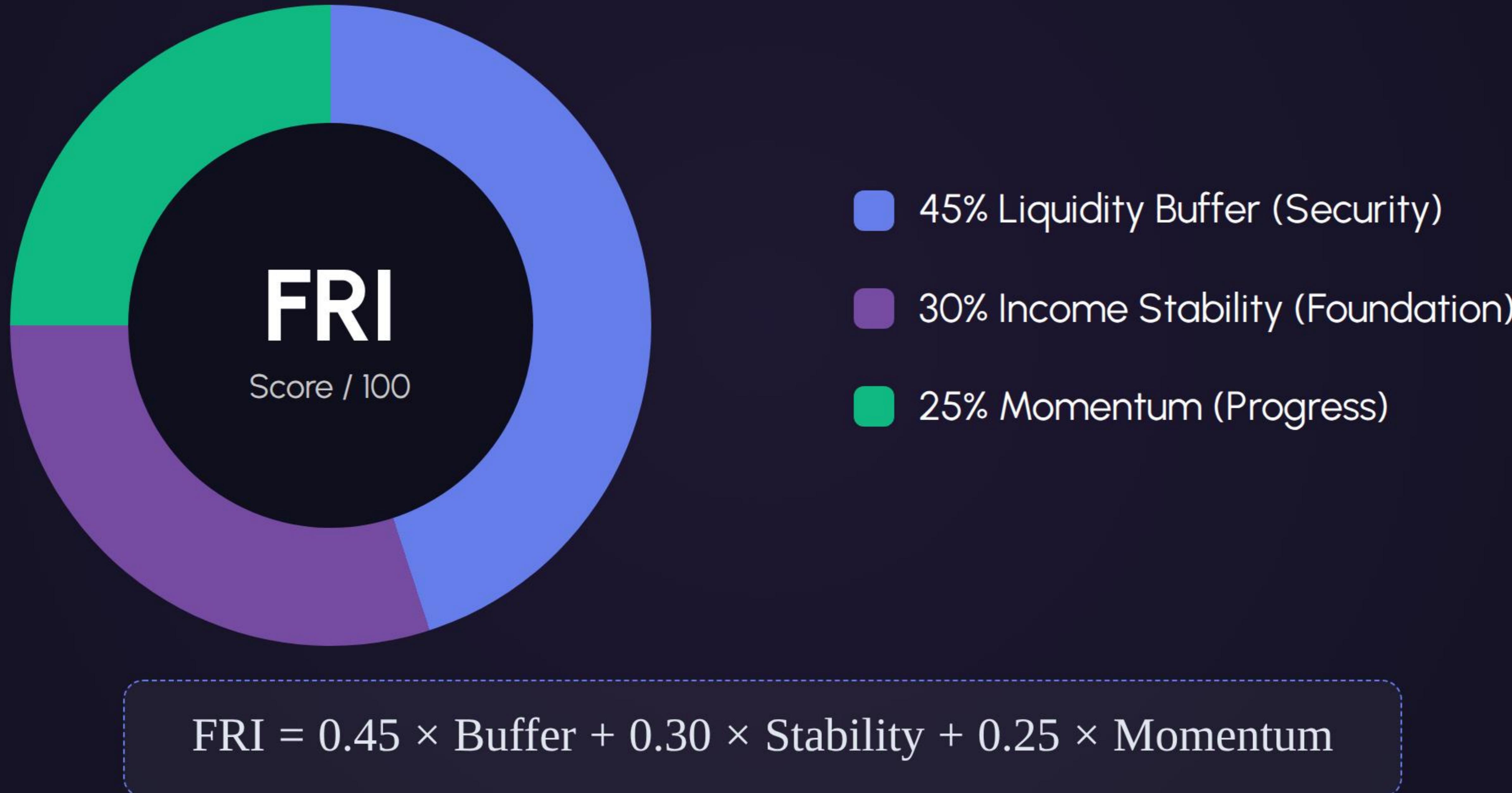
Before any advice is given, the system must *understand*.

FinBERT is a specialized financial language model that runs locally to detect:

- **Sentiment:** Is the user anxious or confident?
- **Stress:** Identifying high-pressure triggers.
- **Urgency:** Prioritizing critical financial needs.



Step 2: Financial Resilience Index (FRI)



Step 3 & 4: Contextual Intelligence

Macro-Economics

Advice cannot exist in a vacuum. Fiona ingests real-time economic indicators to ensure relevance.

- ✓ Inflation Rates
- ✓ Interest Trends
- ✓ Market Volatility

RAG System

Retrieval-Augmented Generation searches a secure database of "Similar Cases" to find proven solutions.

- ✓ Pattern Matching
- ✓ Success Stories
- ✓ Historical Data

Step 5: Generative Personalization

The LLM "Friend"

This is the final synthesis layer. The Large Language Model acts as the empathetic voice of the system.

It combines the **Emotional Context** (from FinBERT), the **Financial Facts** (from FRI), and the **World Knowledge** (from Macros/RAG) to generate a response that feels human.

"Your income varies 300% - let's smooth it out to reduce your stress."



Performance at Scale

2.5s

Total Processing Time

Real-Time Intelligence

Fiona delivers complex financial psychology analysis in the blink of an eye.

89%

Accuracy Rate

100%

Personalization

Fiona: AI that Cares.

Transforming financial well-being through human-centered design, privacy, and empathy.

Image Sources



https://png.pngtree.com/thumb_back/fh260/background/20250802/pngtree-futuristic-abstract-digital-brain-with-glowing-nodes-and-interconnected-pathways-set-image_17682577.webp

Source: pngtree.com



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