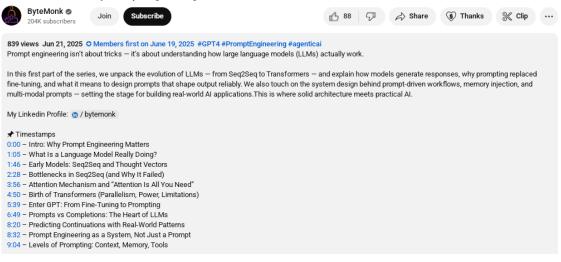
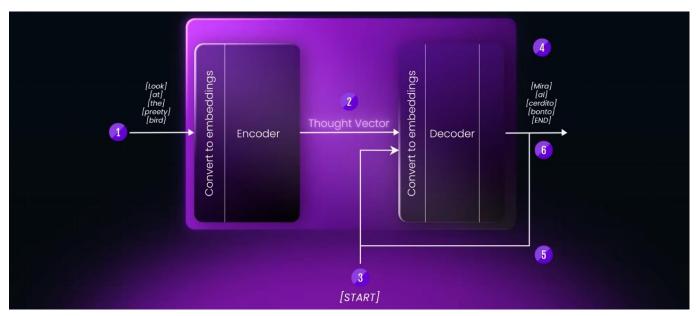
#### How LLMs Work & Why Prompt Engineering Matters

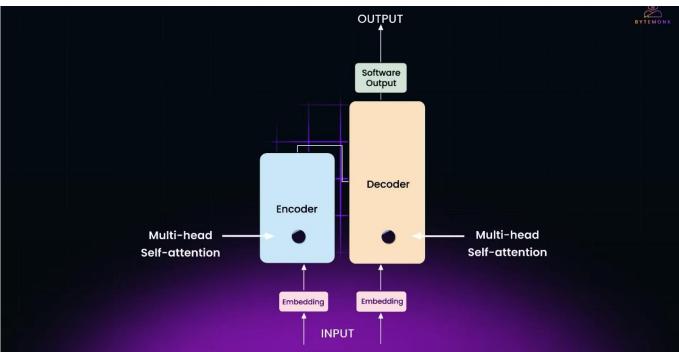


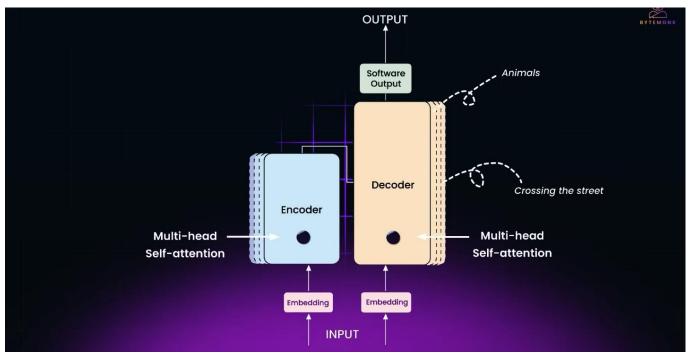


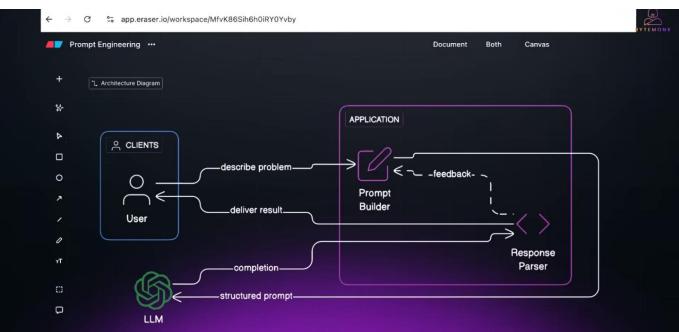


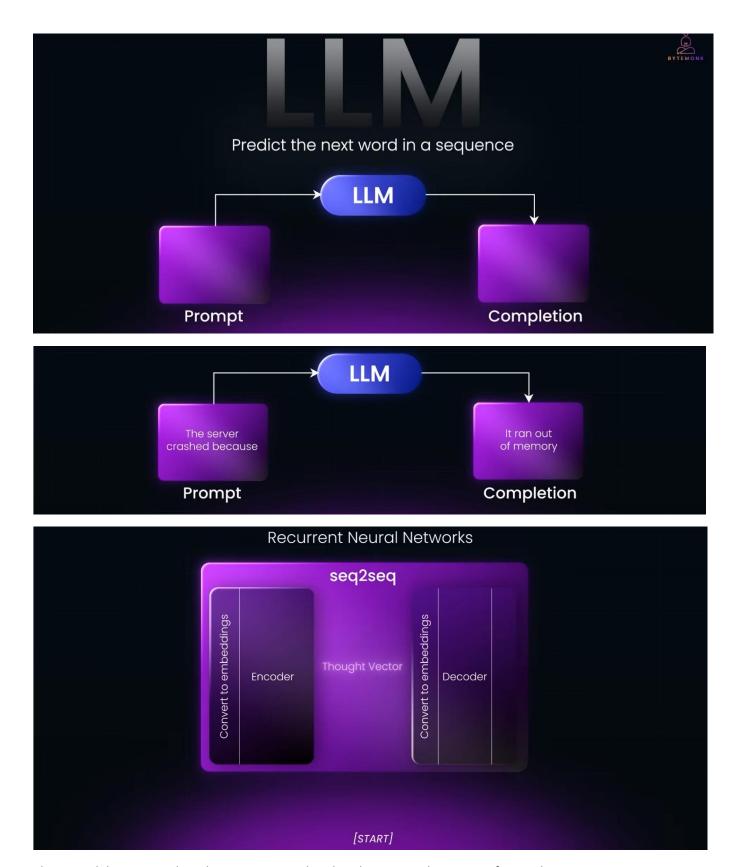




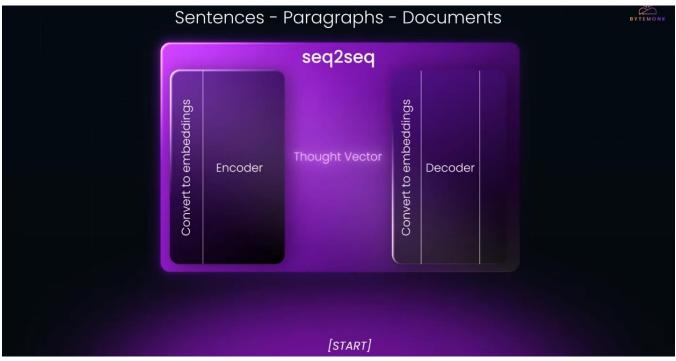


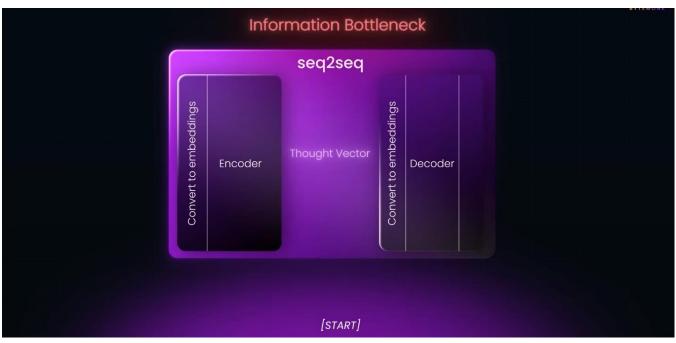


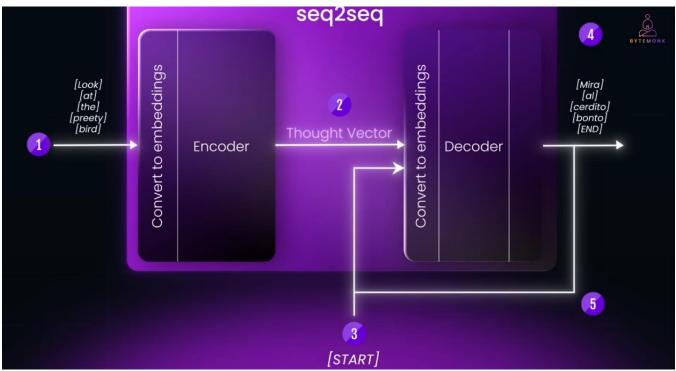


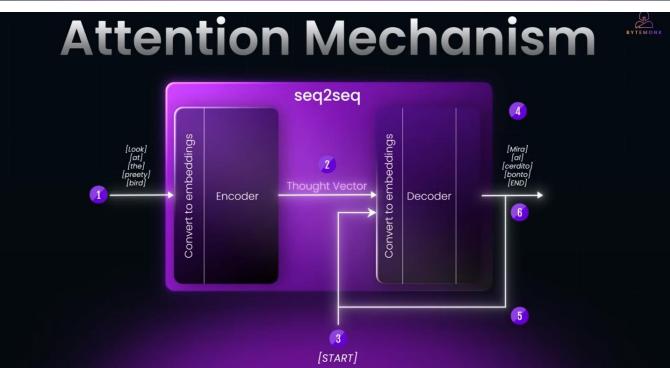


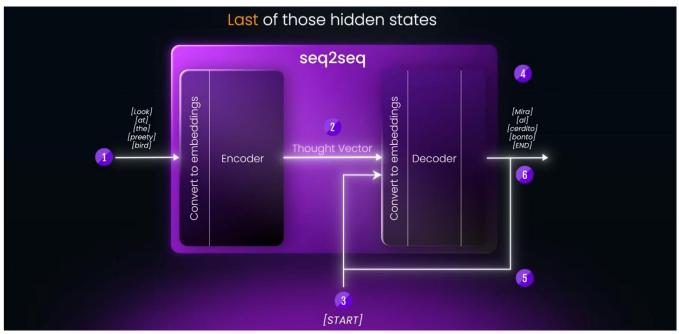
These models processed 1 token at a time and updated an internal memory after each step.

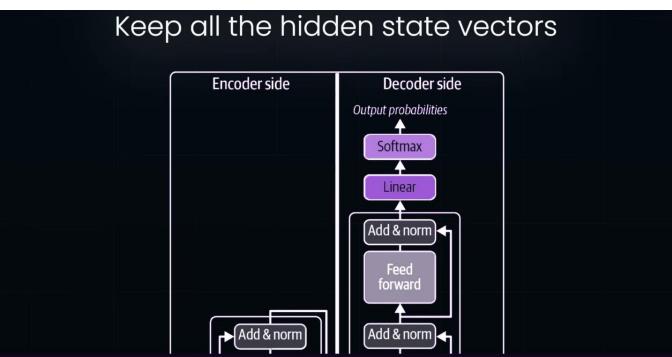


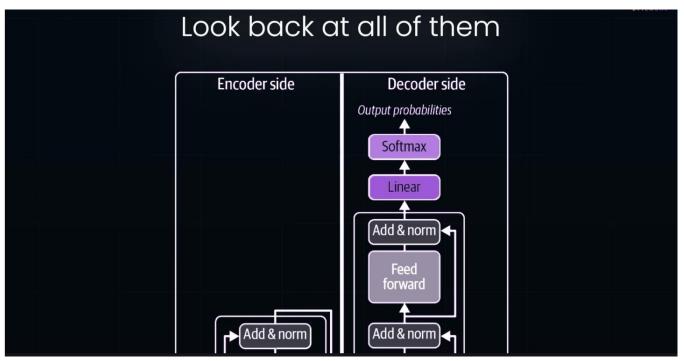


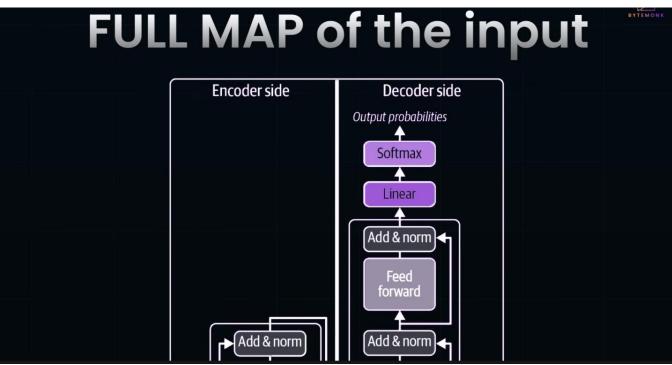


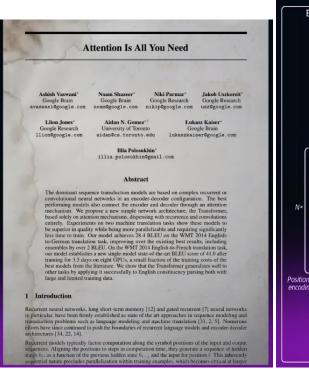


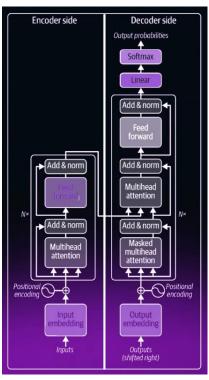


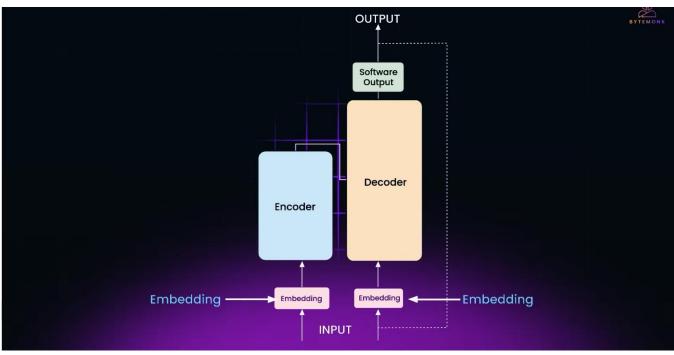


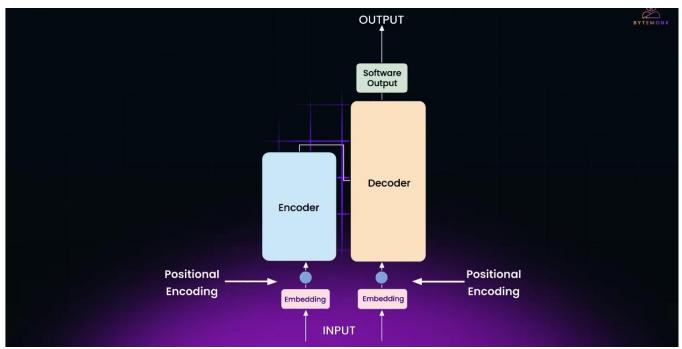


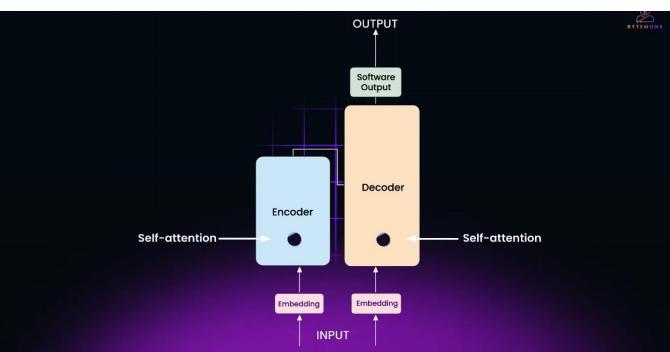


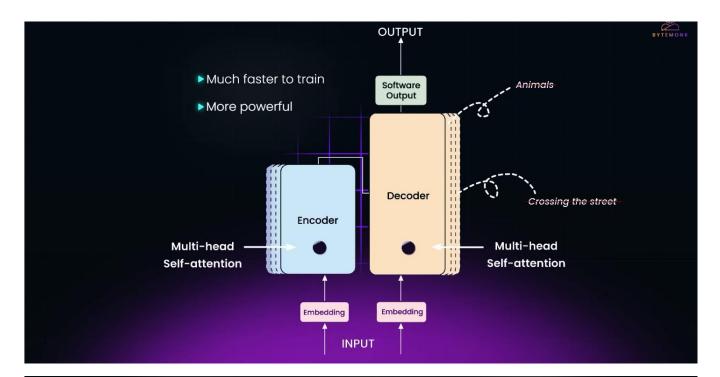






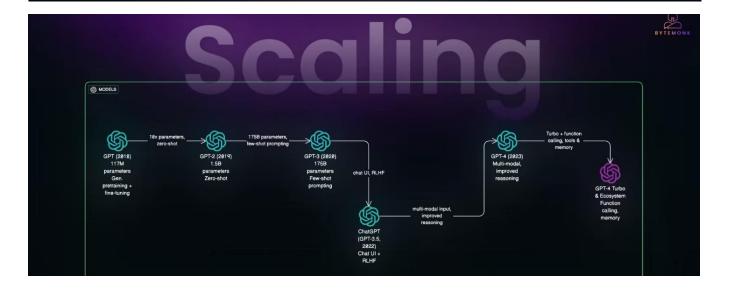


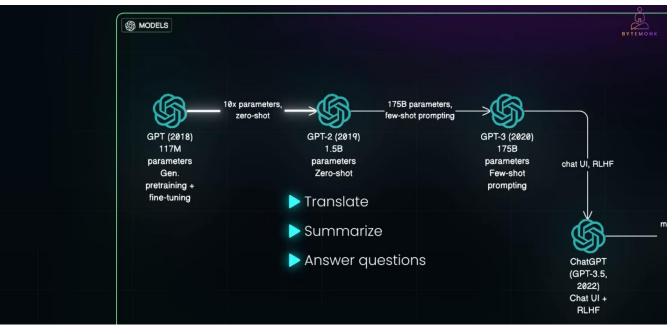




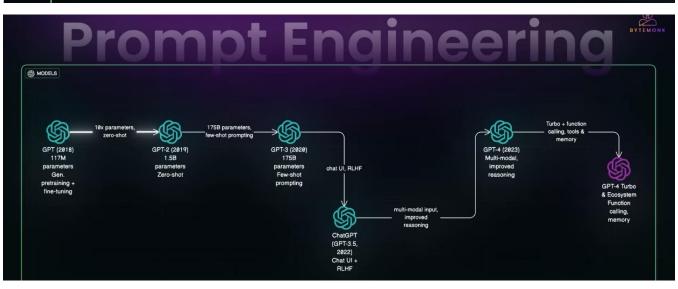
# Tradeoff

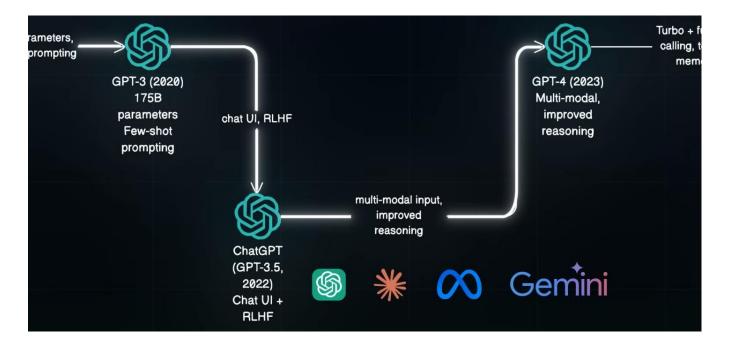
Transformers can't handle unlimited input Fixed context window











String of text

Returns a continuation

### Prompt Completion

#### Prompt

The API request failed because...

#### Completion

The authentication token was missing



The deployment failed during staging.
Now the app won't start on production...

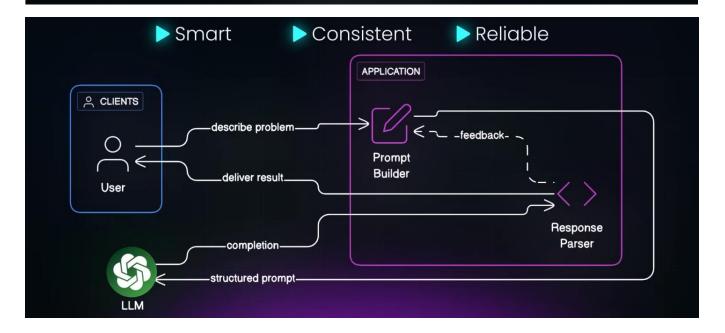
Let's refactor the pipeline before EOD.

Can you check the logs on your end?

Try rolling back to the last known stable build.

### Data Patterns

Not logic or facts





## **Enriched Level**

- Past Conversations
- Open browser tabs
- Search results

### **Enriched Level**

Contextual

Memory Aware

# AcVance Leve Call APIs Check calendars Send emails

# Advance Leve Manage tool use Handle errors Pass state Keep the loop safe

