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The Art and Science of AI Prompt Engineering



Josef Machytka

1 day ago



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In the autumn 2024 I made internal NetApp talk about AI prompt engineering. This talk briefly explores how AI has evolved from its early theoretical foundations to today's advanced large language models. We also look at the basic principles of how these models operate. The main focus is on the critical role of prompt engineering as a main tool for guiding AI to deliver high quality responses. Talk explains some nuances of prompt design, and show practical techniques to improve the outcomes.

Here I offer you recording of this talk. This article is part of series of my articles on medium about AI and LLM.

The Art and Science of AI Prompt Engineering



Slides can be found on my GitHub.



Image created by the author using DeepDreamGenerator

AI

LLm

Prompt Engineering

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Large Language Models



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Written by Josef Machytka

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I work as PostgreSQL specialist & database reliability engineer at credativ GmbH.

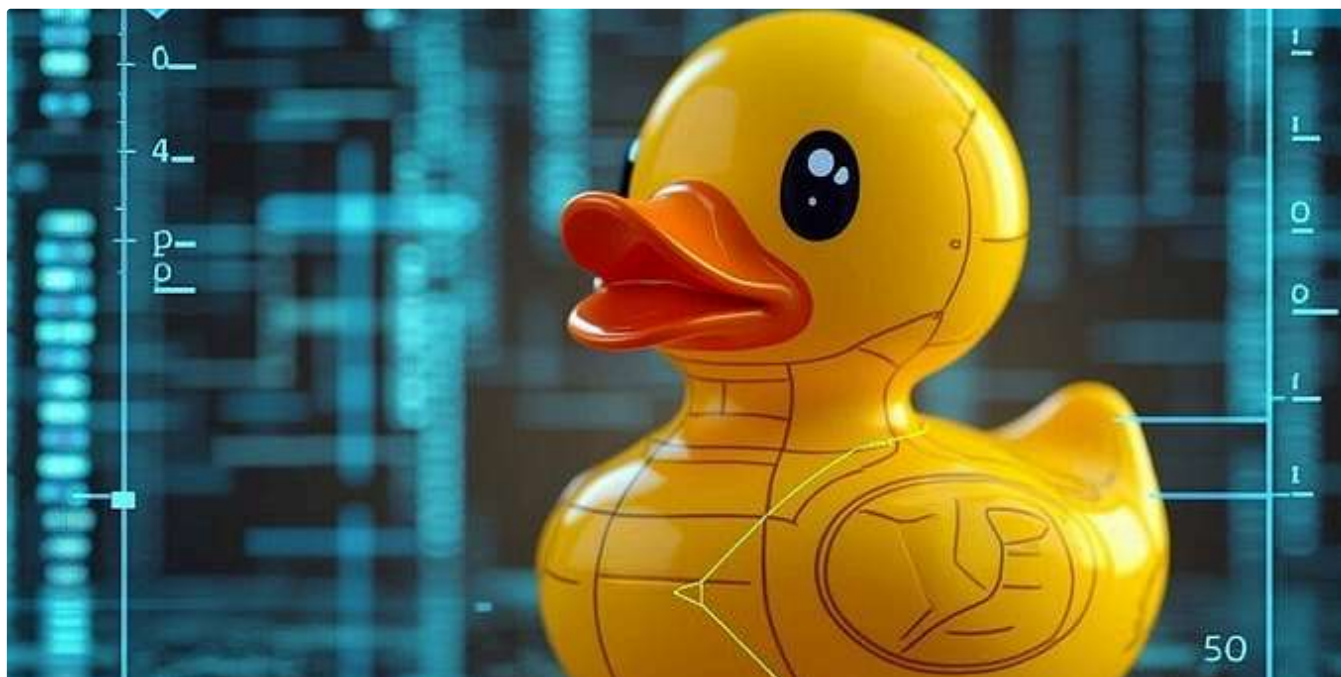
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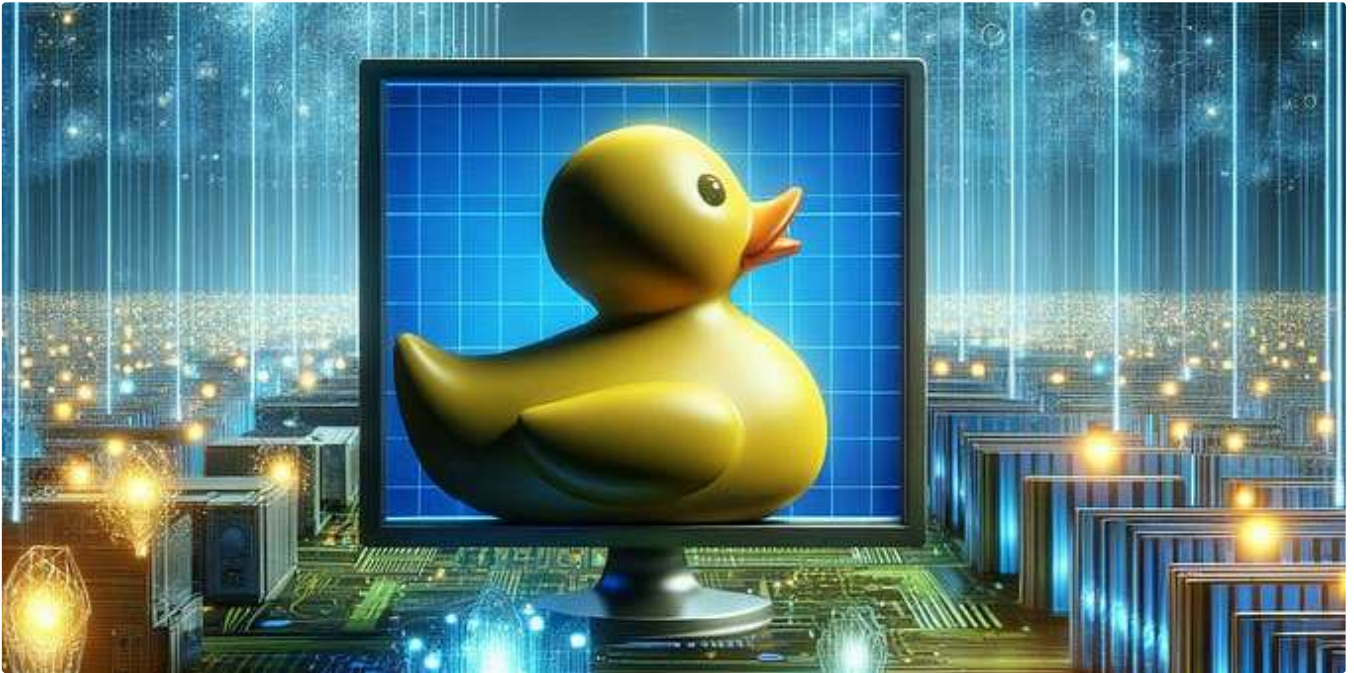


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This is not my original idea; I came across it in an excellent article titled “DuckDB Beyond the Hype” by Alireza Sadeghi. However, it...

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Jan 8 5



Bob	2100.0	600.0				
Charlie	2300.0	1500.0	1100.0			

D pivot pg.sales on (product,year) using sum(sales_amount) group by salesperson order by salesperson;

salesperson varchar	(Laptop, 2022) double	(Laptop, 2023) double	(Phone, 2022) double	(Phone, 2023) double	(Tablet, 2022) double	(Tablet, 2023) double
Alice	1200.0	1400.0	800.0	900.0	300.0	400.0
Bob	1000.0	1100.0	600.0			
Charlie	1100.0	1200.0	700.0	800.0	500.0	600.0

D pivot pg.sales on (year,product) using sum(sales_amount) group by salesperson order by salesperson;

salesperson varchar	(2022, Laptop) double	(2022, Phone) double	(2022, Tablet) double	(2023, Laptop) double	(2023, Phone) double	(2023, Tablet) double
Alice	1200.0	800.0	300.0	1400.0	900.0	400.0
Bob	1000.0	600.0		1100.0		
Charlie	1100.0	700.0	500.0	1200.0	800.0	600.0

D pivot pg.sales on (year) using sum(sales_amount) group by salesperson order by salesperson;

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Easy and Intelligent Pivot Tables with DuckDB

After exploring the various capabilities of DuckDB in my earlier articles, I want to focus more on its powerful data analytical...

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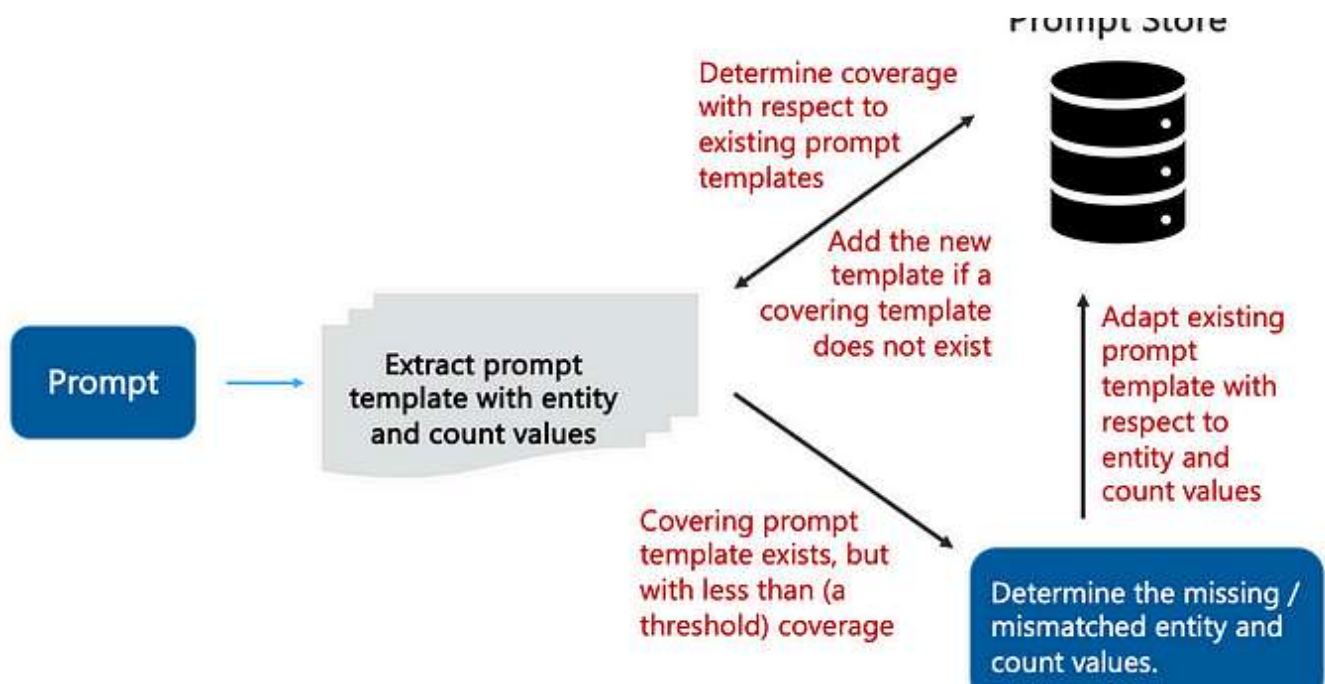
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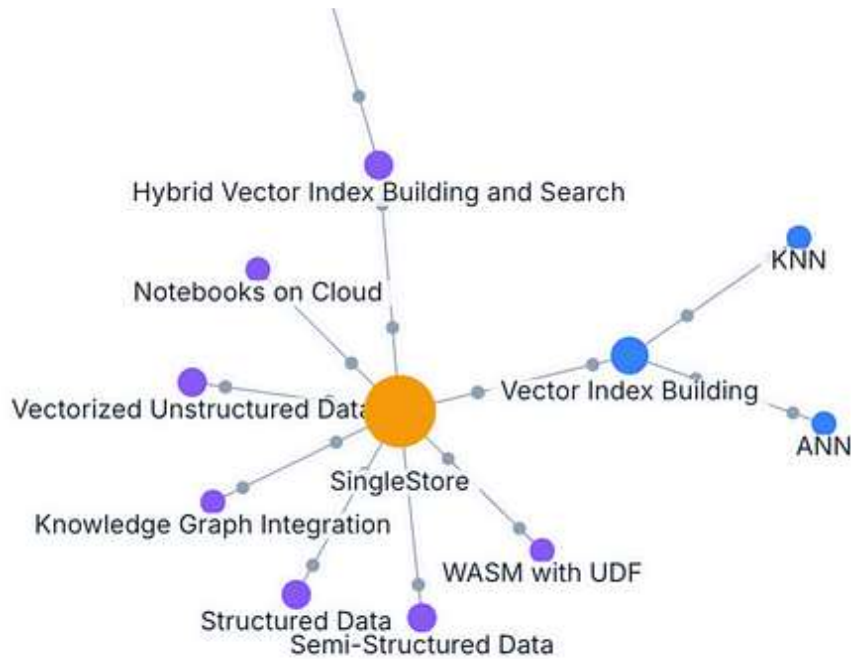


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+++Reasoning

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+++Refine(iterations=3)

If aliens landed on Earth today, what job would they most likely apply for?



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