Welcome to Perth Microsoft Data, Analytics, AI and Power Platform

Thanks to our Sponsor

Microsoft

Acknowledgment of Country

We wish to acknowledge the traditional custodians of the land we are meeting on, the Whadjuk (Perth region) people. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of this city and this region.

AI Functions in Microsoft Fabric

Connect

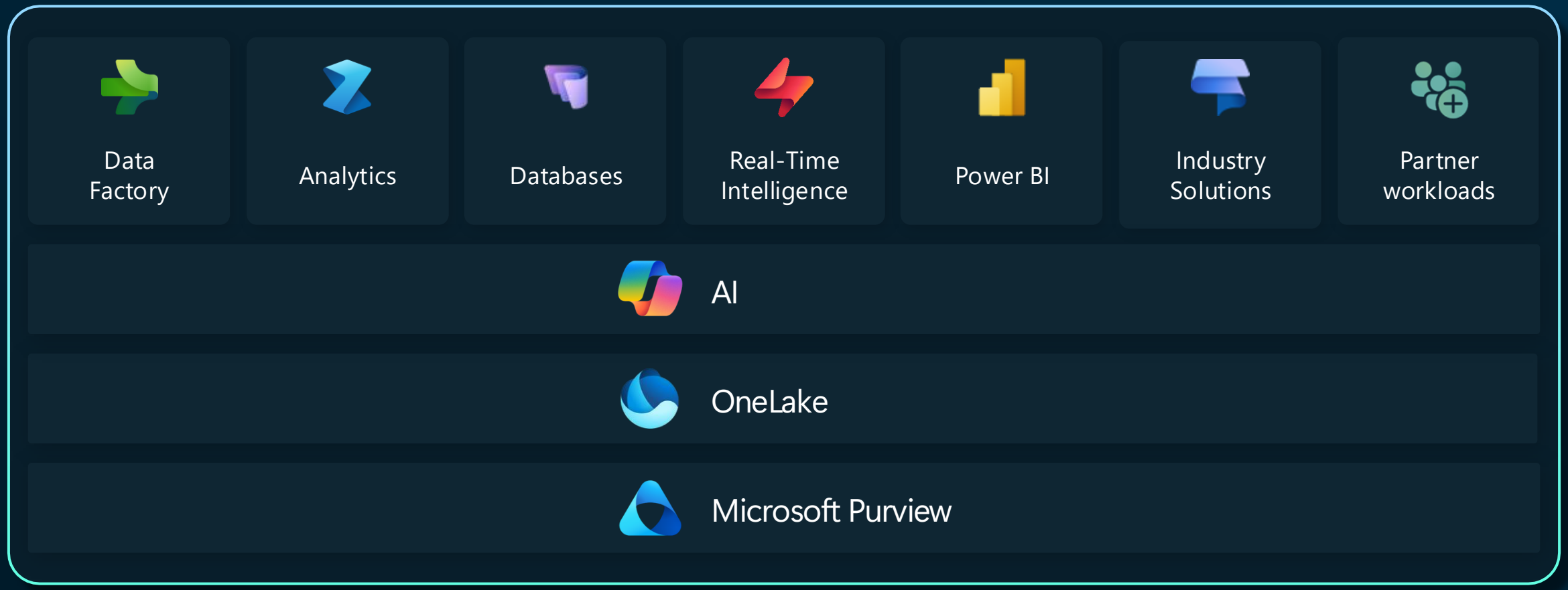
in /sergiozenatti

Sergio Zenatti Filho

Sr Cloud Solution Architect,
Microsoft

Microsoft Fabric

The unified data platform for AI transformation



AI Powered

Gen AI accelerates your data journey in Fabric

Copilot accelerated experiences

AI-driven insights

Custom generative AI for your data

Preview

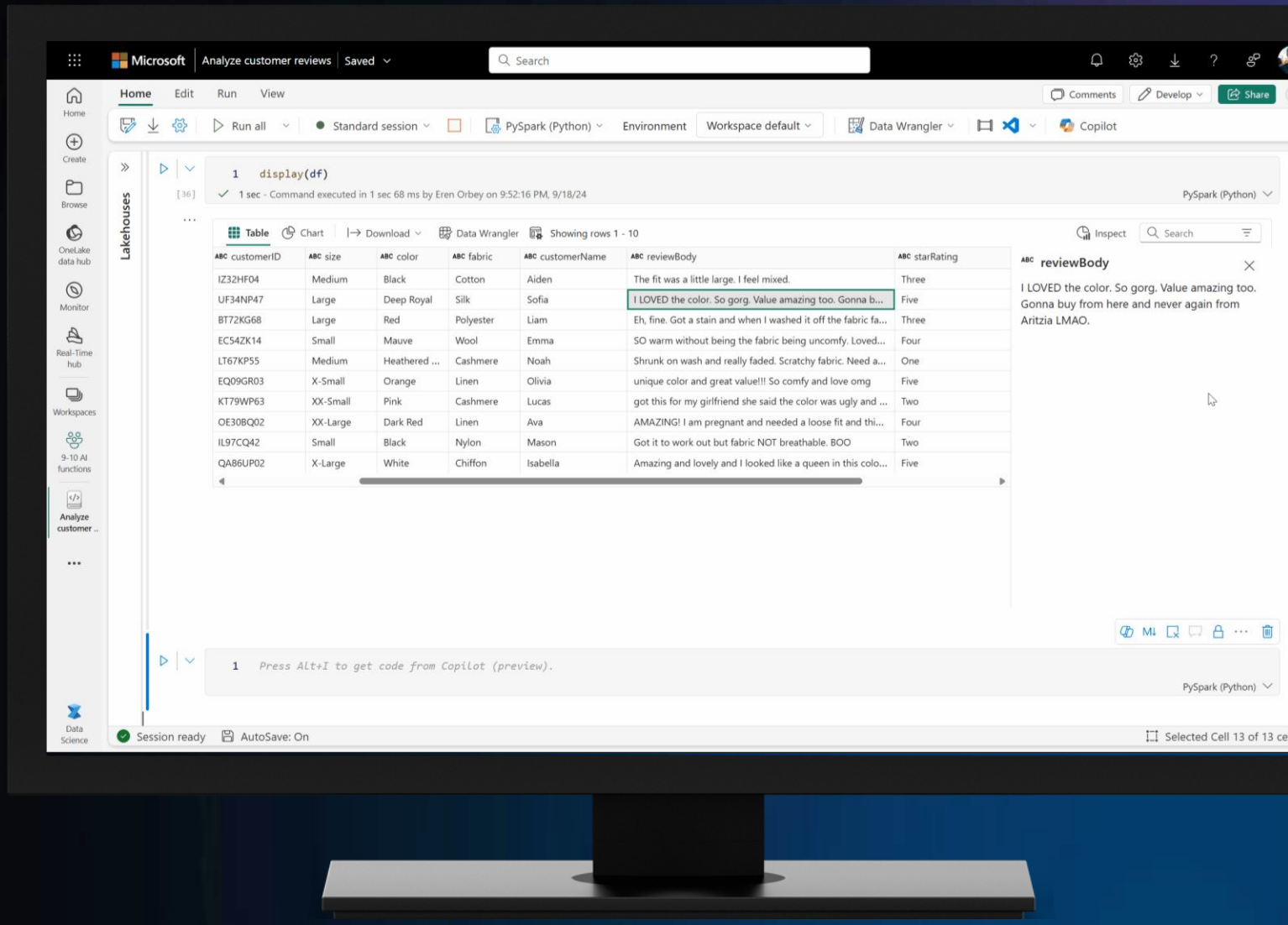
AI Functions

AI powered

Seamless data enrichment with AI functions

Preview

- Transform and enrich data with user-friendly **AI functions**
- Invoke state-of-the-art LLMs in just a **single line of code**
- **Summarization, translation, sentiment analysis**, and more
- **Coming soon:** AI functions on Spark, in SQL, in OneLake, and in Data Wrangler



AI Functions: Simplify LLMs on your data

Native Pandas (and Spark) Functions to apply LLMs to your data

Fabric AI functions

Function name	Description
fix_grammar()	Rewrites text with improved grammar
analyze_sentiment()	Analyzes sentiment of text and computes score
summarize(max_words)	Summarizes text in no more than max_words
translate(to_lang)	Translates text into provided to_lang
similarity(other)	Computes similarity scores
classify(categories)	Classifies text into provided categories
mask(categories)	Masks words matching categories

Fabric AI functions: Custom prompts

```
1    df["Country"] = df.ai.gen("Map address to the corresponding country")
```

PySpark (Python)

df

Name	Address
Anne F.	123 First Street, 98765
George K.	345 Washington Avenue, London

df

Name	Address	Country
Anne F.	123 First Street, 98765	USA
George K.	345 Washington Avenue, London	UK

Demo

Q&A

Thank you!