



# Use AI To Make Your Data Job Easier (and More Fun)

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Matt Gordon

SQL Saturday Jacksonville – May 4, 2024

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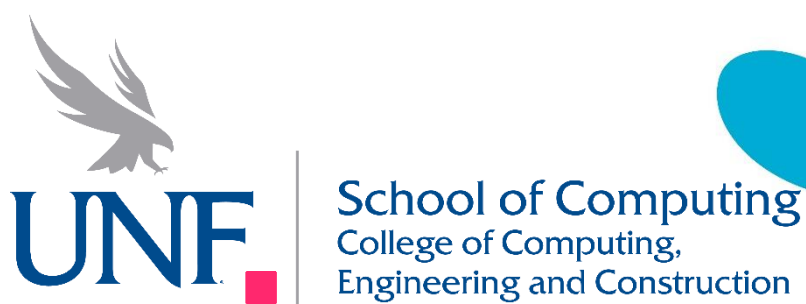




Thank you to ALL of our sponsors! - Be sure to stop by all tables!



AI Platinum



Gold

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Bronze


In-Kind





Monthly Meetings  
3rd Wednesday of each month  
[jssug.org](http://jssug.org)

# SQL CLINIC

Get your SQL Questions answered here  
by our SQL Experts

(Across from Registration)

#SQLSatJax



#1068 - Jacksonville, FL - May 4th, 2024



# **501 Legion Charitable Donation & LEGO Drive**

**Thank the 501 Legion for Supporting Our Event!**

**JSSUG Will Match Donations up to \$1000**

**Donation Bucket on Registration Table**

**LEGO donation on V for Victory Table**



# Costume Contest Rules

1. Take a picture with the SQL Saturday Backdrop during the event
2. Post the picture to Twitter/X and include the hashtag #SQLSatJax24CC
3. The tweet using the hashtag that has the most "likes" wins a prize!

# Session Evaluations

**Your feedback is important to us!**

**Please fill out and hand to speaker after the session!**

# Event Evaluation

**Fill out event evaluation card in your bag and visit all sponsors to be entered to win an Xbox Series X – (Must be present to win)**

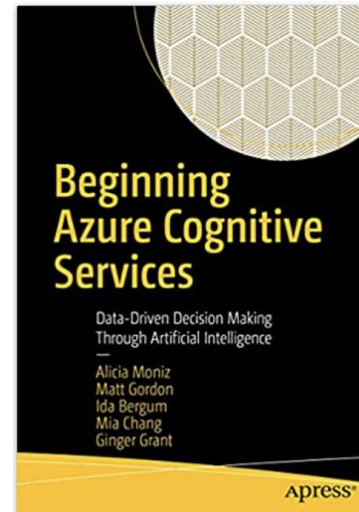
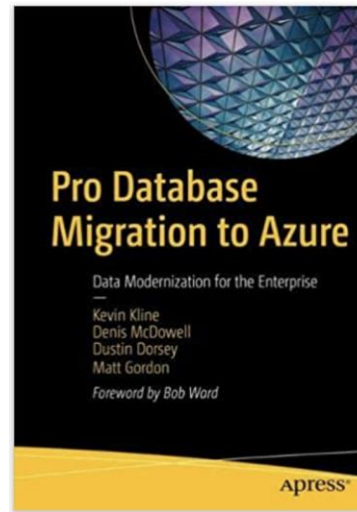




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# About Me

- 20+ years of on-prem/cloud SQL experience
- Microsoft Data Platform MVP
- Redgate Ambassador
- Led cloud migrations large and small
- Worked on Azure AI since 2017
- Leader of Lexington, KY (USA) Data Technology Group





# What Is AI (and What Isn't It)?

- The media says it's ChatGPT
- Some people say it's a lot of hype
- My son said "it's just a bunch of if/then statements that run really fast"
- Oxford Languages says it's "the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages."

# What Is AI To Data People?

- It's Copilot experiences in our development environments
- It's a robot tuning our code and our developers' code
- It's ChatGPT helping us program in a language we don't know or breaking coder's block if we're stuck
- It's enabling accessibility for people who have physical challenges to typing and other actions
- It's an annoyance – maybe our manager thinks they don't need us anymore because “the AI” will do it all





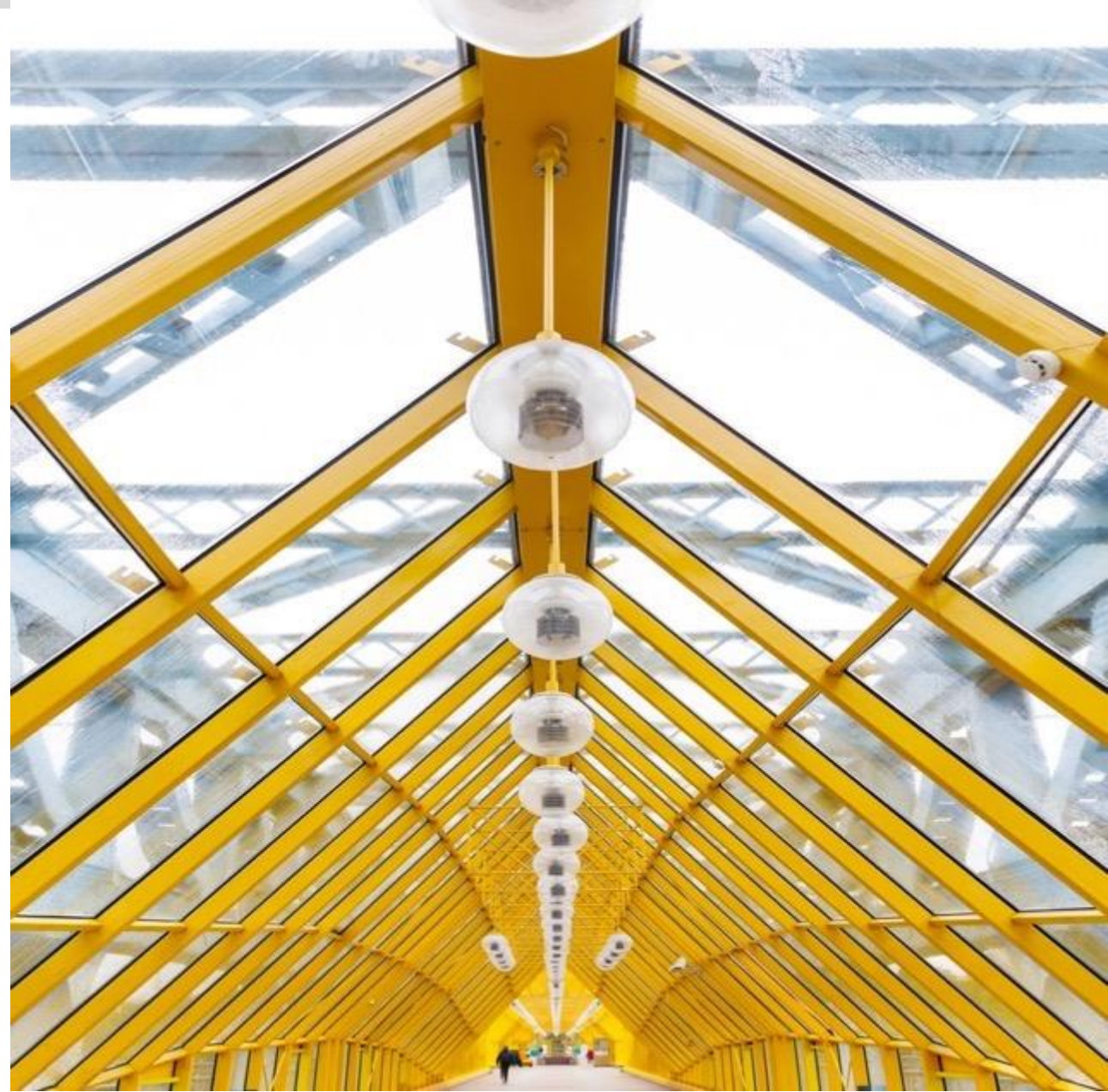
# Azure Cognitive Services

- Speech
- Language
- Translator
- Vision
- Azure OpenAI
- Rebranding over time (quickly) as Azure AI



# How Can I Use Azure AI APIs?

- Logic Apps
- Power BI
- Power Apps
- Power Automate
- Studio “experiences”
- REST API calls



# AI-Powered New Employee Welcome Bot

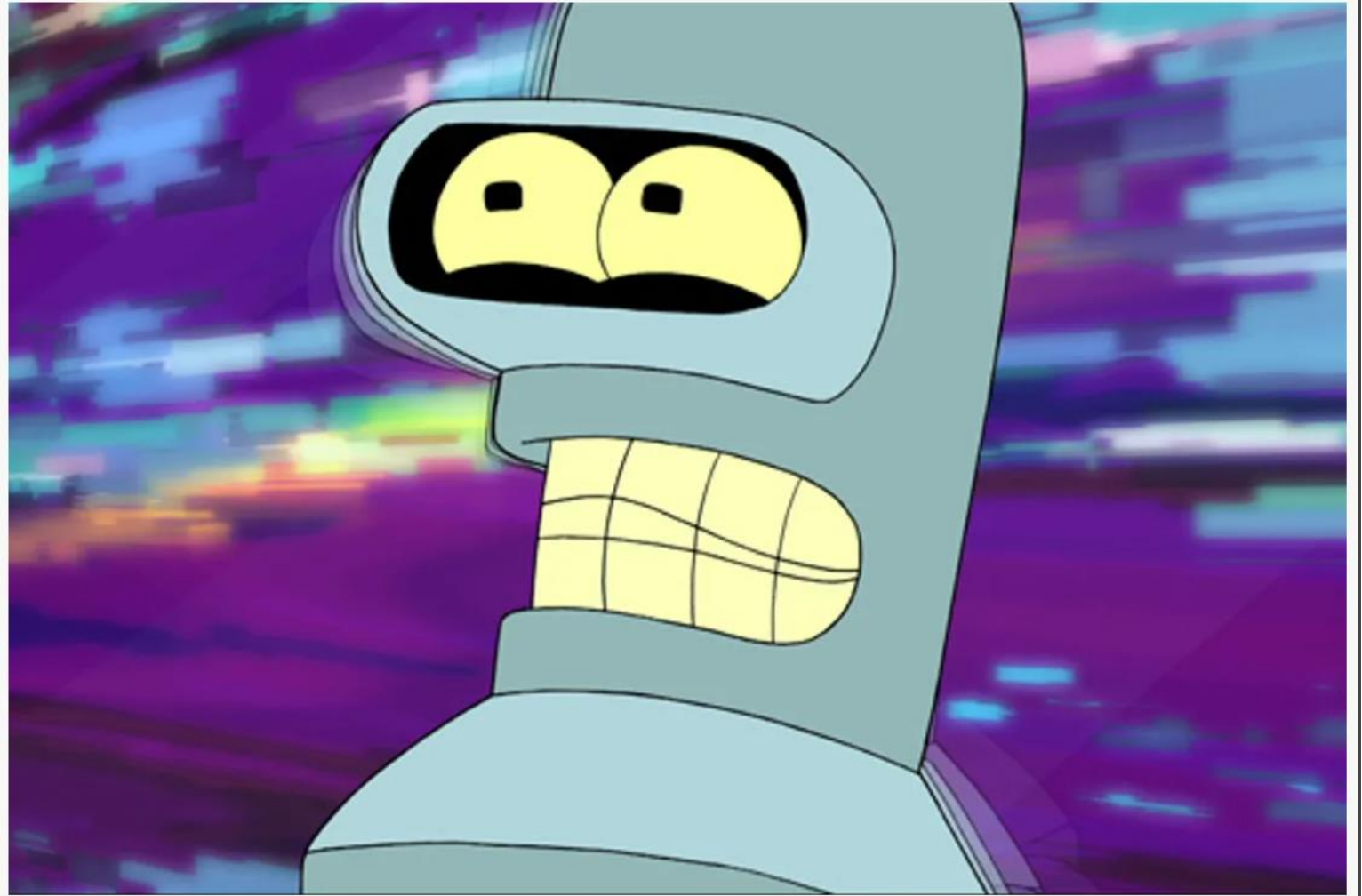


Image credit: FOX/Comedy Central



# Copilot in Azure Data Studio



Image credit: Alamy

**AI Responds to  
Angry Emails  
with  
Power Automate**



Image credit: DriveTribe Facebook/BBC

**ChatGPT, Meet My  
Database**



Image credit: New Line Cinema



Database, Meet  
ChatGPT



Image credit: New Line Cinema

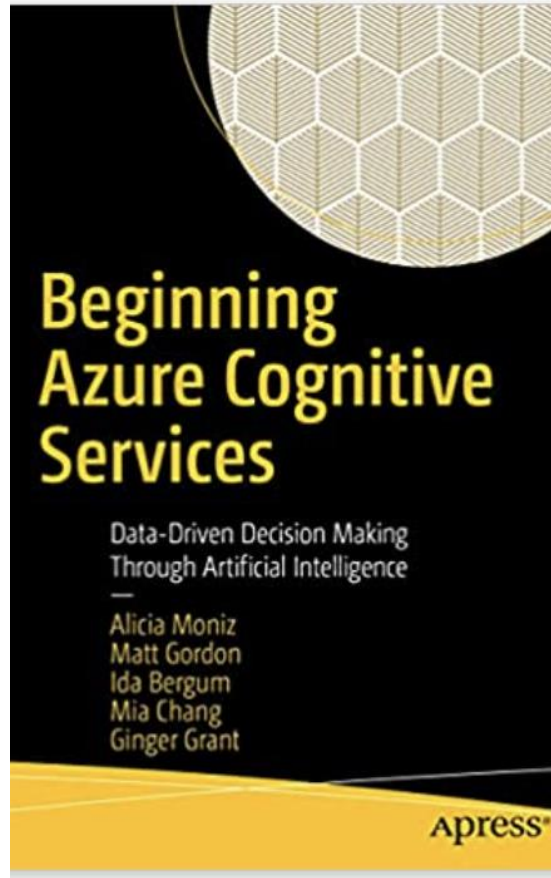
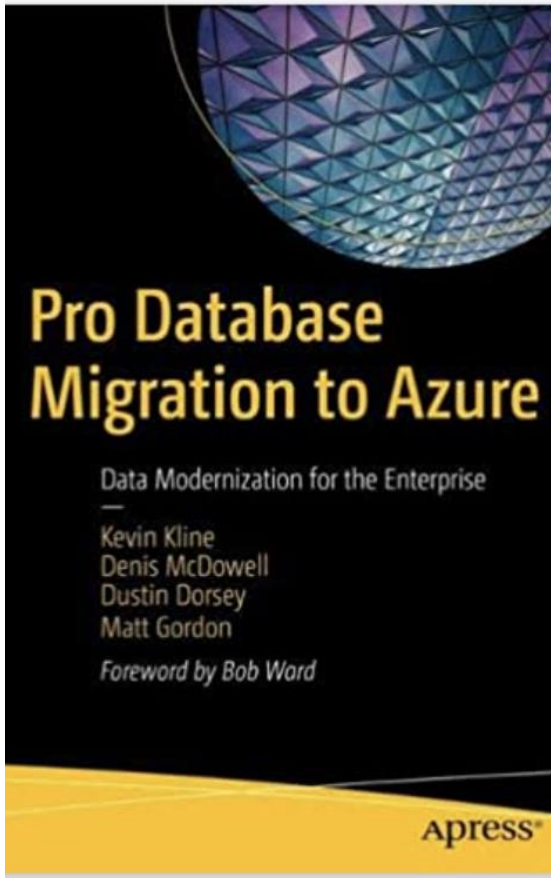


# How Will AI Impact Data People?

- It can help us do our jobs
  - Conversation bots to handle mundane and/or repeated questions
  - Copilot experiences in ADS and other tools
  - Automated responses to tickets, emails, etc.
  - Create our own data dictionaries using the power of LLMs?
  - ChatGPT-style conversations over our data
- We're already surrounded by it
- This session will change every time I present it – that's the speed of development in this space
- It's overhyped, but don't dismiss it – engage with it (and maybe have a little fun)

# Resources

- [Buck Woody's generative AI session](#)
- [Copilot for Azure Data Studio](#)
- [GitHub Copilot in Azure Data Studio – Warwick Rudd's presentation](#)
- [Language Studio](#)
- [Speech Studio](#)
- [Vision Studio](#)
- [Brian Spendolini's Azure SQL/OpenAI blog](#)
- [Buck Woody's Azure SQL/OpenAI Azure Data Studio blog](#)
- [Chat with your data in Azure SQL Database](#)



## The Slide Where I Sell My Books

- [Cognitive Services book](#)
- [Database Migration book](#)

# Thanks For Attending!



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