

# From Raspberry Pi to Power BI + lots in between

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GENERIC VERSION

# Session Agenda

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- One slide
- Demo with the Raspberry Pi
  - Python, Cognitive Services, Azure SQL, Azure Storage, Flow, Power BI
- Audience participation & Age modesty
- Another slide
- Links to code, slides & feedback

# Ben Watt. At your service!



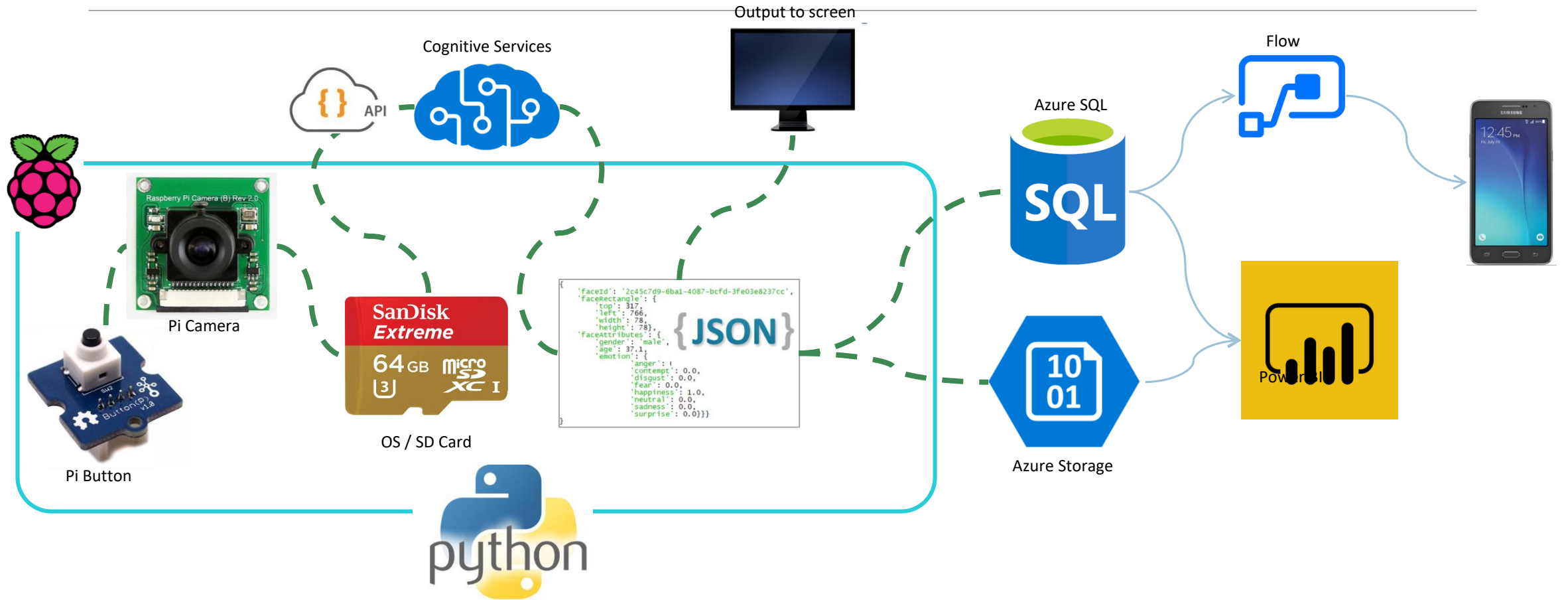
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What I do:

- Managing Director at Datalineo
- Power BI: SQL/Azure/Power Platform
- Dublin PUG leader



# The Process



# Costs

| Item                        | Cost      | Note                      |
|-----------------------------|-----------|---------------------------|
| Hardware                    |           |                           |
| Raspberry Pi 3              | 68.00 EUR | Full Kit                  |
| Grove Pi Kit                | 75.00 EUR | Full Kit                  |
| Raspberry Pi Camera         | 30.00 EUR |                           |
| Software                    |           |                           |
| Cognitive Services Face API | FREE      | 5k transactions per month |
| SQL Database                | 4.12 EUR  | Per month                 |
| Azure storage               | 1-2 EUR   | 100k images = 1.24        |
| Flow                        | FREE      |                           |
| Power BI                    | FREE      | Mobile                    |

# Thank you!

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Code: <https://github.com/datalineo/RaspberryPiFaceAPI>