



From Raspberry Pi to Power BI + lots in between

A HOME-MADE IOT SESSION COVERING MULTIPLE
AZURE AND OPEN-SOURCE TECHNOLOGIES

Session Agenda

- 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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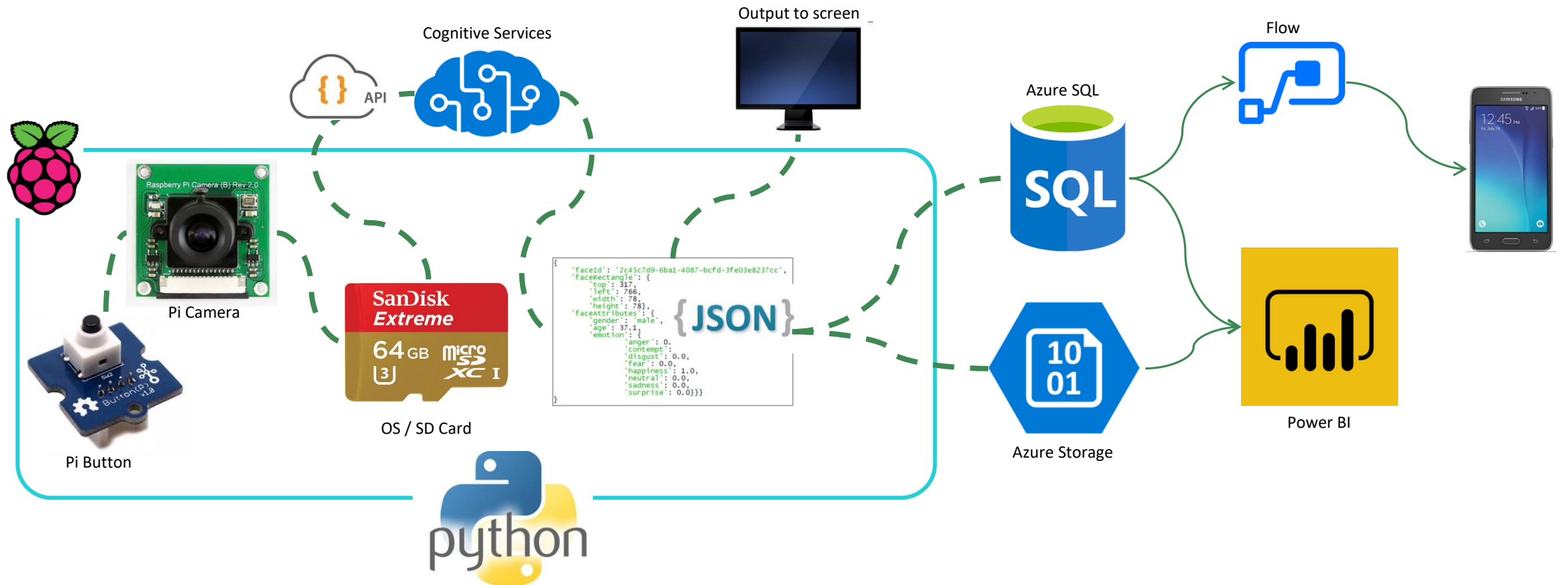
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What I do:

- 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	30k 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>