



Databases: A History of Places to Put Your Stuff



“


*Ideal for high throughput
and scalability with low
latency*

- *Marketing copy for any given
database, ever*



Damn that's a lot of databases

in-memory, active, cloud, data warehouse,
deductive, descriptive, document-oriented,
embedded, federated, heterogeneous, graph,
array, hypertext, knowledge base, mobile,
operational, parallel, probabilistic, real-time,
spatial, temporal, terminology-oriented,
unstructured



The 1950s



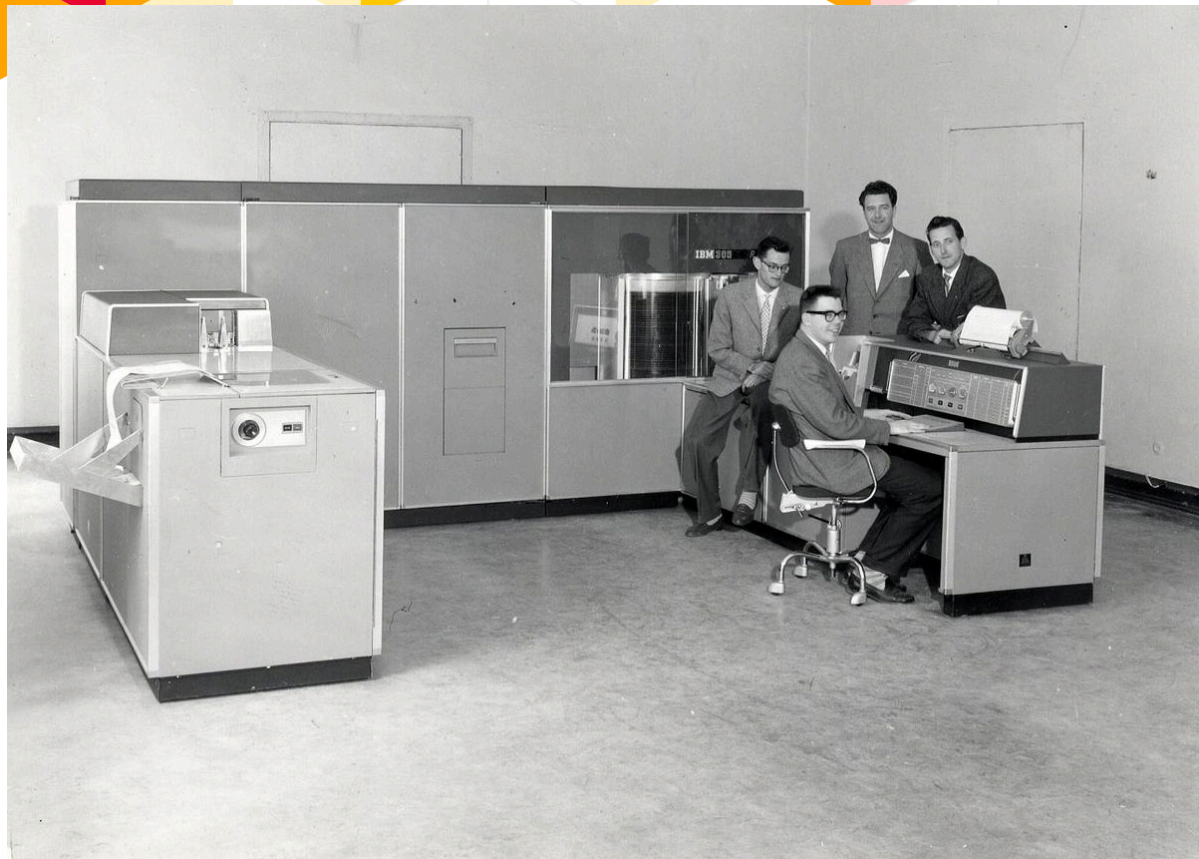


1951

Univac I

First magnetic tape





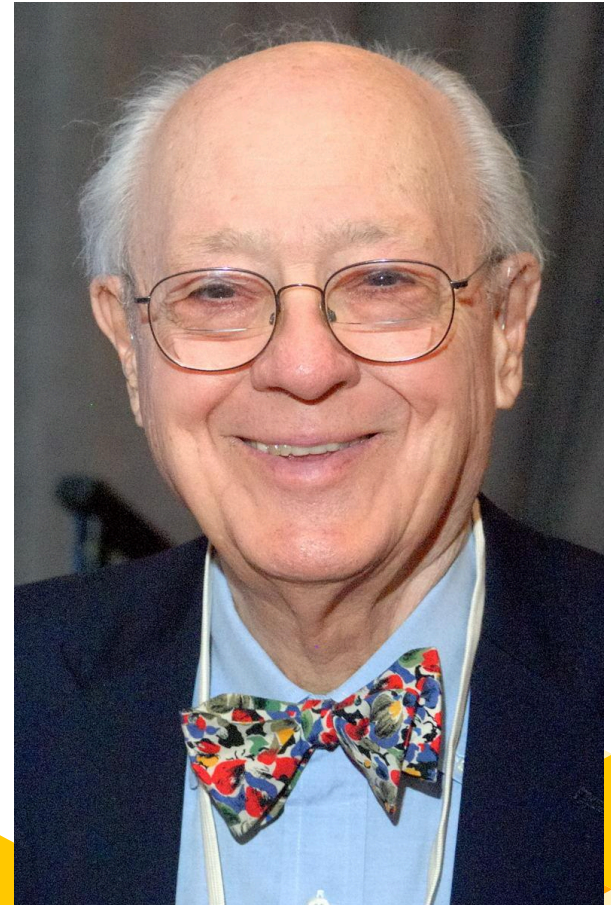
1956

IBM 305 RAMAC
First disc storage



1961

The first DBMS
Integrated Data store
Charles Bachman



Apollo 4

Apollo 6

Apollo 8

Apollo 9

Apollo 10

Apollo 11

Apollo 12

Apollo 13

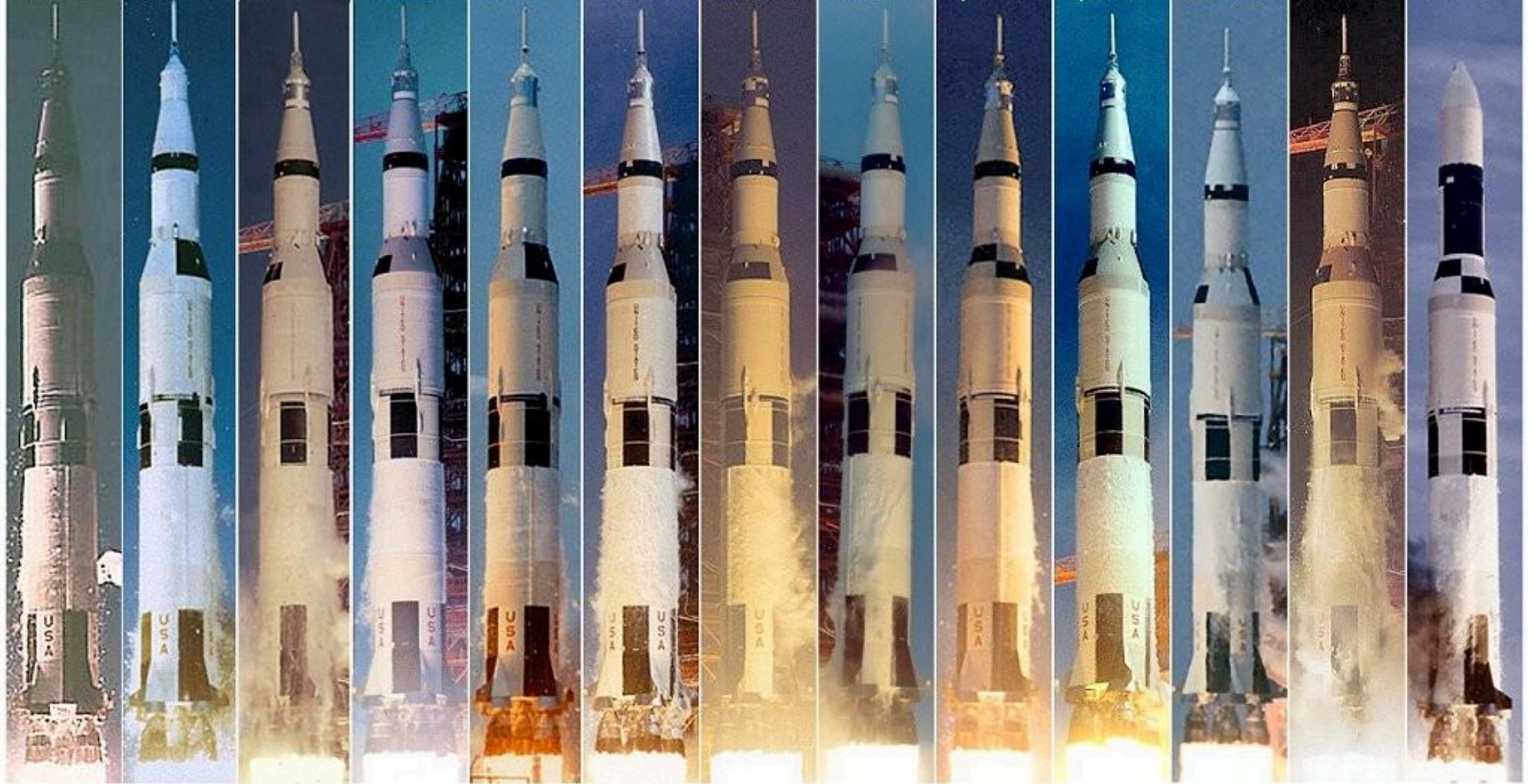
Apollo 14

Apollo 15

Apollo 16

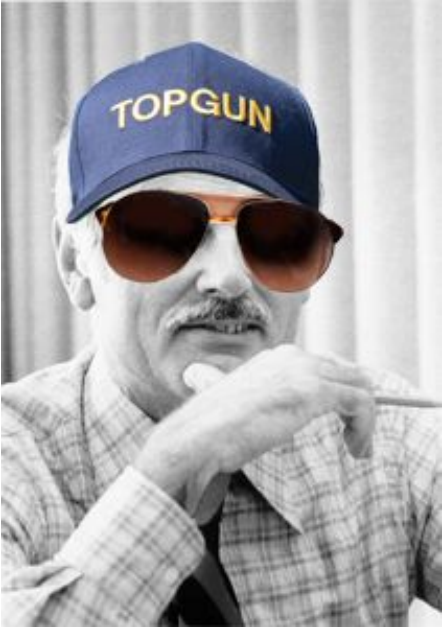
Apollo 17

Skylab 1

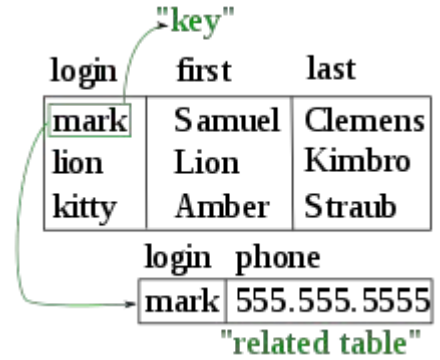


The 1970s

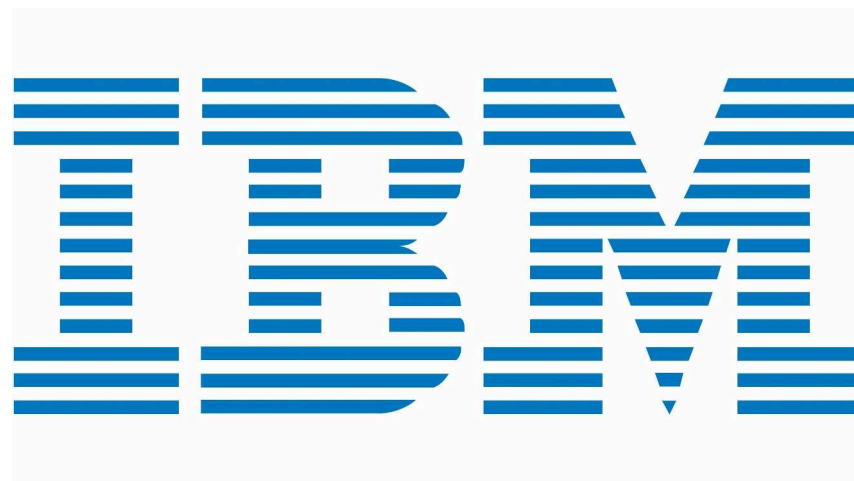
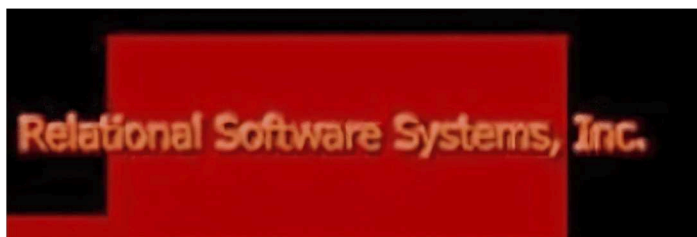




Edgar Codd, the top gun of tables

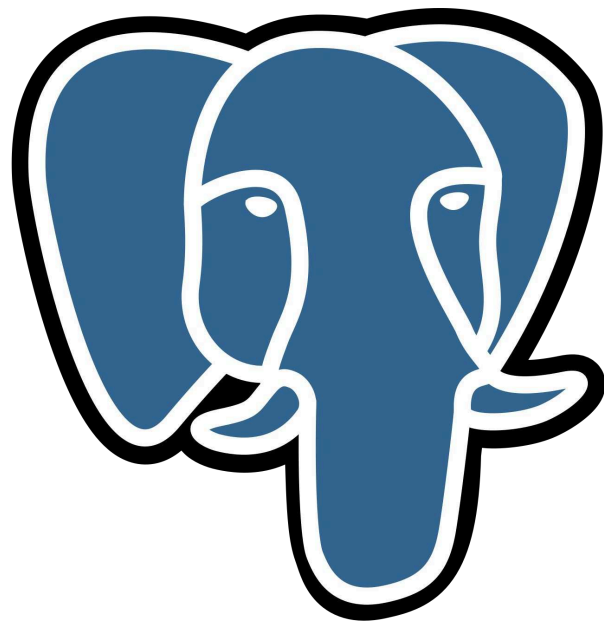


How relational databases work



ORACLE AND IBM ENTER THE CAGE

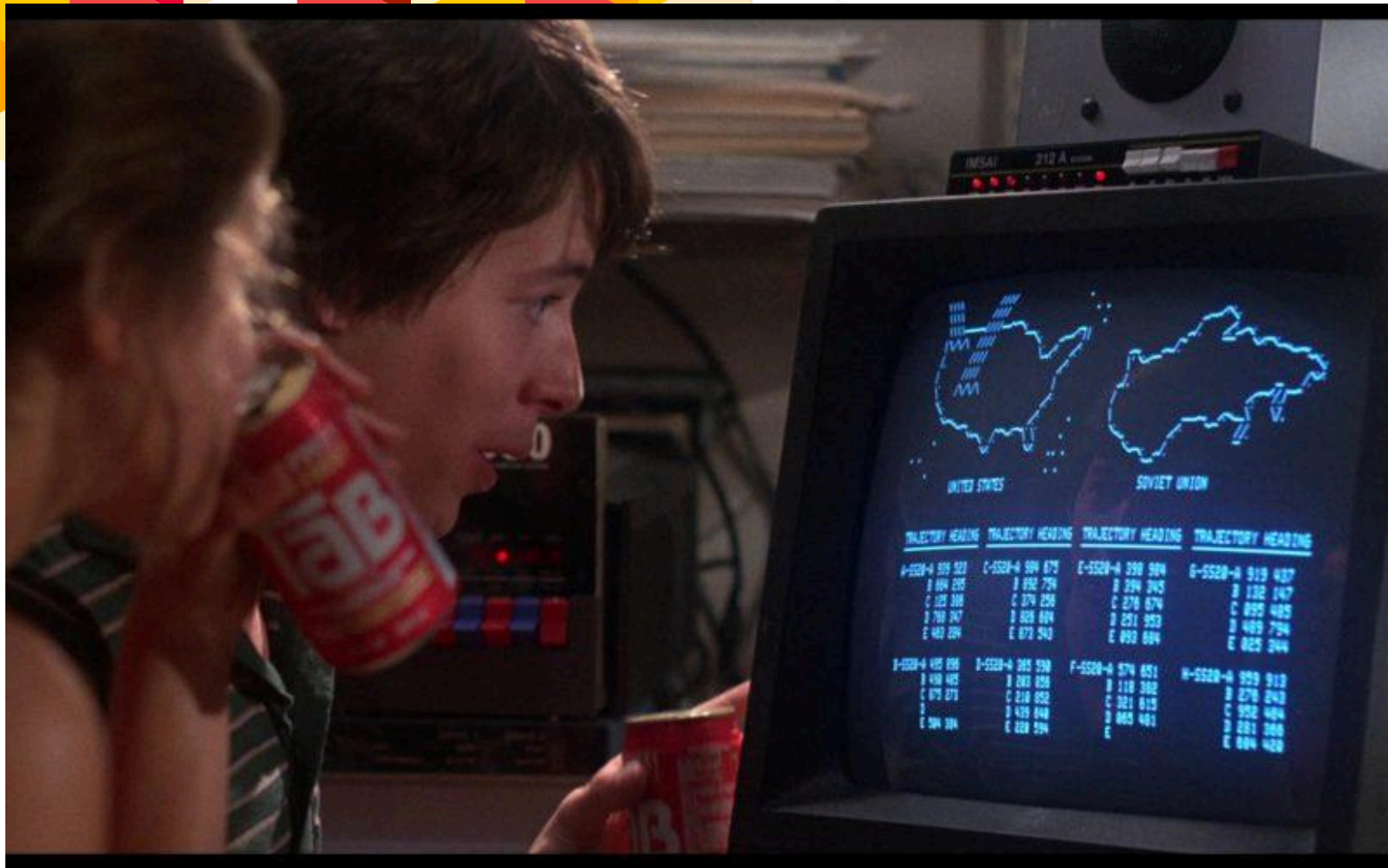


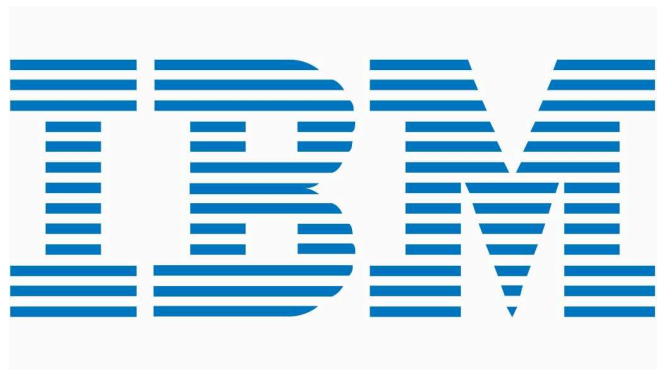


TIME FOR POSTGRES

The 80s

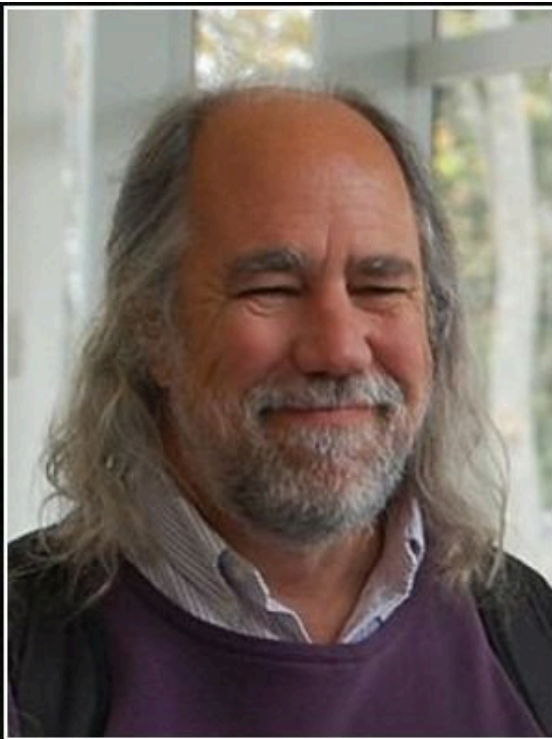






The 90s





The function of good software is to
make the complex appear to be
simple.

— *Grady Booch* —

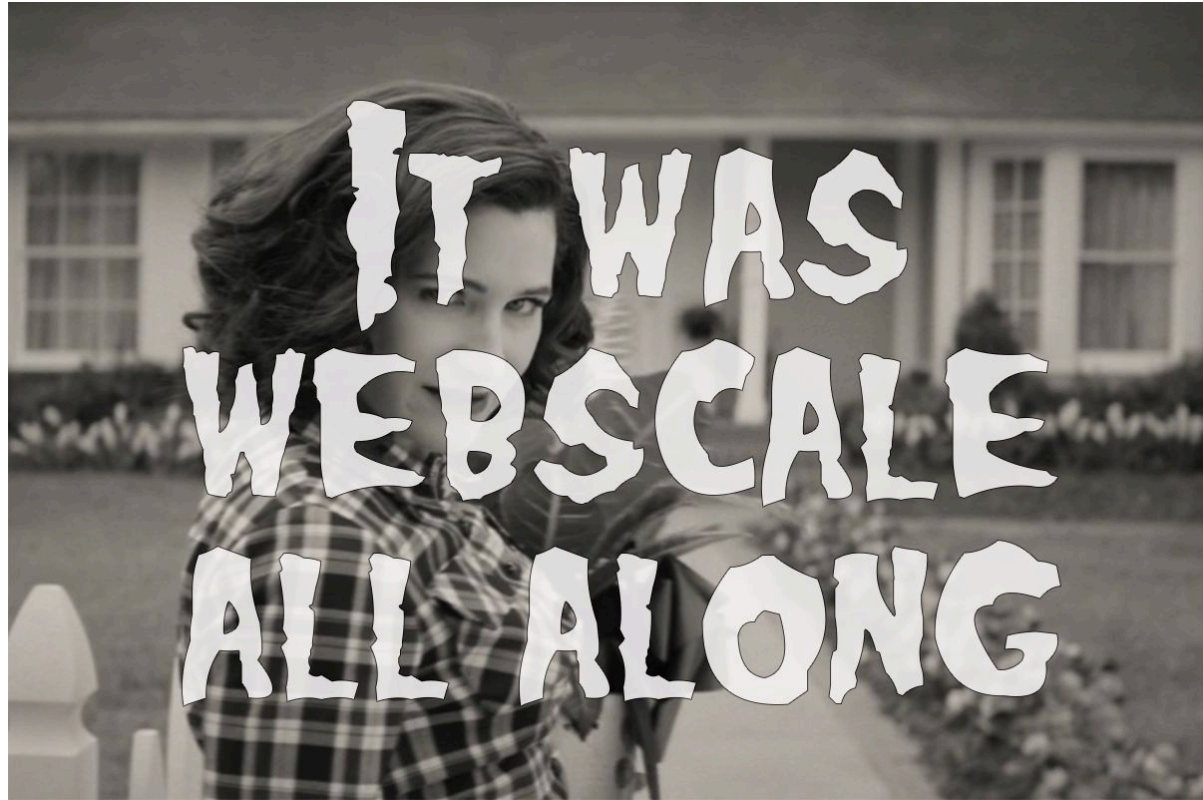
AZ QUOTES





The 2000s and beyond



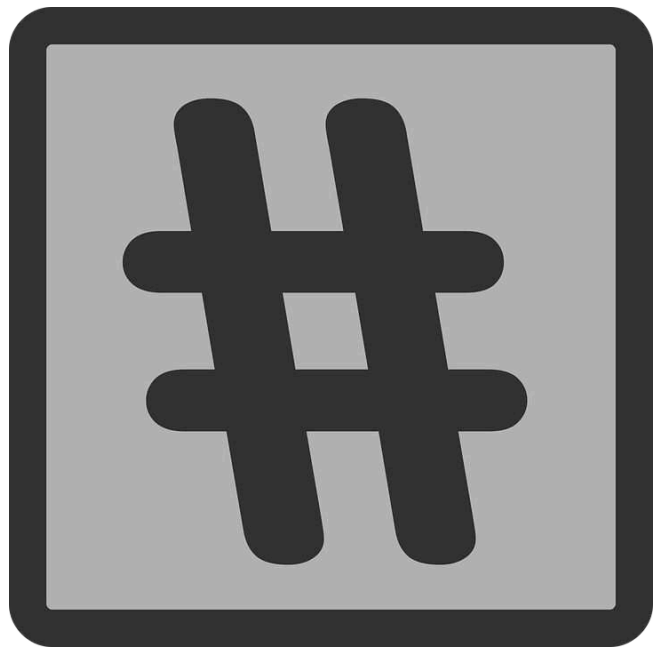




<https://bit.ly/its-webscale>







#nosql

key-value



graph



column



document



NoSQL isn't just
document model



ACID vs CAP theorem



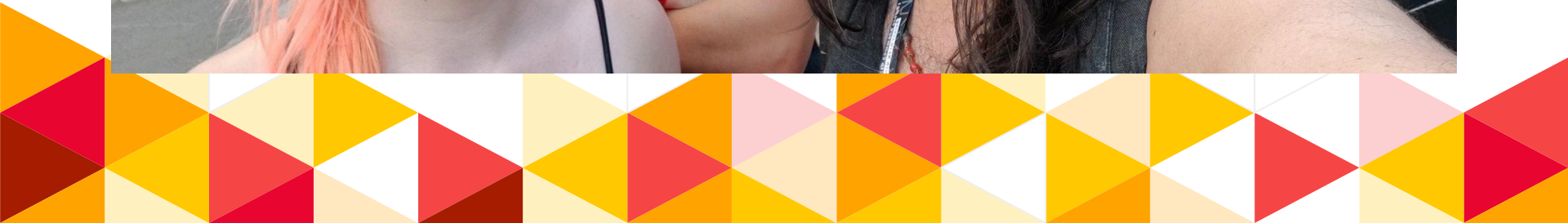


**The World Wide Webs is technically just a large,
distributed hypertext database**





What have we learned?



Let's Talk!



Twitter - @mattstratton

Mastodon - @mattstratton@hachyderm.io

Bluesky - @matty.wtf

GitHub - mattstratton

Slides - speaking.mattstratton.com

LinkedIn - linkedin.com/in/mattstratton

REFERENCES

- [A Timeline of Database History & Database Management](#)
- [Wikipedia entry for databases and history](#)
- [IBM Information Management System](#)
- [MongoDB is Web Scale video](#)
- [Charles Bachman](#)



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Pssst...try Aiven!

