
PostgreSQL & Marten

The Swiss Army knife of
database development





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- Been around for a while
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Agenda

- History Lessons
 - Postgres
 - Marten basics
 - Marten scaling
 - Some gotchas
 - Some useful patterns
 - Mixing Marten and SQL
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History Time - RDBMS

- Relational Databases proposed in 1970
- Oracle released their first RDBMS in 1979
- Microsoft SQL Server started as a fork of Sybase in 1989
- Rewritten as SQL Server 7 in 1998
- Postgres started as a project inside the University of California in 1986.
Released as open source software in 1996

Postgres

- An open source relational database (RDBMS)
- It's fast, “free”, extensible, reliable, lightweight
- Microsoft / Azure have a huge investment in it. Follow Claire Giordano (@clairegiordano@hachyderm.io)
- Works great with EF Core, Dapper, therefore is a good choice in .NET



NoSQL History

- Term became commonly used in 2009 to describe non-relational databases
- Key-Value, Graph, Document, Time Series, Object Databases, etc
- Document Databases (e.g. MongoDB, DynamoDB, CosmosDB) can be good general purpose databases (If you know how to model for them)



Marten

**.NET Transactional Document
DB and Event Store on
PostgreSQL**

<https://martendb.io/>



CODE TIME

<https://github.com/DamianMac/martendemo>