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DB Weekly

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[Primary Keyvil, Reprised](#)

JOSH BERKUS

“Inevitably, practices which are “necessary evils” tend to become “pervasive evils” in the hands of the untrained and the lazy. Not realizing that ID columns are a pragmatic compromise with application performance, many frameworks and development pragmas have enshrined numeric IDs as part of the logical and theoretical model of their applications.”

[Graph Databases vs Relational Databases](#)

NEO4J

This article explores the differences between relational and graph databases and data models. In addition, it explains how to integrate graph databases with relational databases and how to import data from a relational store.

[Augmenting MySQL with Big Data and NoSQL](#)

OBJECTROCKET BY RACKSPACE **SPONSORED**

Join us for our upcoming webinar. This webinar will explore a range of database technologies from MySQL/Percona to Hadoop, Mongo, and Redis. You'll learn how you can fit all of these technologies together to make your data flow seamlessly between them and optimize your database performance. [Learn More](#) – [Register Today](#)

[RethinkDB 2.0: Now Production Ready](#)

RETHINKDB

RethinkDB 2.0 inverts the traditional database model. Instead of polling for changes, the developer can tell RethinkDB to continuously push live query updates to an application.

[Building a Distributed Fault-Tolerant Key-Value Store](#)

FOURTHBIT

Implementing a fault-tolerant distributed key-value store isn't easy, and while the implementation shown here isn't production ready, there are lots of lessons to learn.

[MySQL Leader Percona Takes Aim at MongoDB](#)

DATANAMI

The popular MySQL support and consulting company has a plan to go after MongoDB's business with an alternative drop-in replacement.

[Types of NoSQL Databases](#)

JAMES SERRA

A quick overview of NoSQL database systems, with the most popular options in various groups (key value, graph, column, etc.)

[ThingieQuery: An SQL Plugin for Excel](#)

THINGIEQUERY

An Excel plugin that lets you do things using SQL on Excel spreadsheets.

Jobs

- **Senior Database Administrator (Austin, TX)** ObjectRocket is seeking a Mid-to-Senior level DBA to join our Engineering team to work on our scalable, highly-available MongoDBaaS platform. Anyone can manage a single application - we manage and maintain thousands of production databases supporting billions of operations. You'll be part of a highly capable and motivated team working on solving the hard problems of scalability, availability, and performance on a global platform. [Apply here.](#)
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In brief

- [Google Cloud Dataflow Now Open for Business](#) **NEWS**
DATANAMI
- [Building Your First Application with MongoDB: Creating A REST API using The MEAN Stack](#) **TUTORIAL**
MONGODB
- [Intro to Database Systems: Schema Refinement - Functional Dependencies](#) **TUTORIAL**
“Schema refinement is just a fancy term for saying polishing tables.”
DAN CRISAN
- [Using MongoDB Tailable Cursors to Create Real-Time Apps](#) **VIDEO**
A short 3 minute demo of capped collections and tailable cursors.
TUGDUAL GRALL
- [Hadoop: The Tale of Data Storage to Data Processing](#) **OPINION**
DATANAMI
- [Why or How Did You End Up Working with Databases and SQL? Do You Enjoy It?](#) **OPINION**
REDDIT
- [Finding Bugs in SQLite, The Easy Way](#)
LCAMTUF
- [Deep Dive into Spark SQL's Catalyst Optimizer](#)
DATABRICKS
- [Writing a Redis Client in Pure Bash](#)
NIKOLA KRZALIC
- [SQLAlchemy 1.0.0 Released: The Python SQL Toolkit and ORM](#) **CODE** **TOOLS**
SQLALCHEMY
- [SQL to C Translator for SQLite](#) **CODE**
Avoid parsing of SQL by converting it to C code, which may then be appended to sqlite3.c and compiled.
ALPINEJOE
- [PyMongo 3: A Rewrite of The Python Driver for MongoDB](#) **CODE**
JESSE JIRYU DAVIS

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