Engineer Data

{ Database Performance Tuning }

Making the slow parts fast

Finding the queries and the missing indexes behind a system that has got heavier every year, and fixing the ones that matter.

Still working out what you need?

Tell us what is going wrong, or what you are trying to build. We will tell you what it would take, roughly what it would cost, and whether we are the right people for it.

From 1,400 DKK an hour, excluding VAT — and less per hour on a longer booking.

Get in touch See what it costs

Selected work demonstrating this service.

Turn the service into a result

Make “Database Performance Tuning” serve a business outcome. We can connect the technical work to the users, operations and decisions it needs to support. Finding the queries and the missing indexes behind a system that has got heavier every year, and fixing the ones that matter.

Get in touch

Examine the relevant work

Use the related work on this page to examine our approach. Ask about the tradeoffs and the conditions behind each result. 30 days of electricity data in 180 ms — 180 ms to aggregate a month of meter readings

30 days of electricity data in 180 ms Get in touch →

30 days of electricity data in 180 ms

Engineered hourly electricity-consumption aggregation variants in Python, SQL and Bash + Jq, with the Python benchmark processing one 30-day JSONL dataset in 180ms.

Made a geographical data pipeline 50x faster

Recorded a 50x geographical data-pipeline improvement in the founder’s Utiligize work through SQL and data-model changes across PostgreSQL, MS SQL and Google Cloud BigQuery.

Improved GIS map performance 10x on PostgreSQL

Improved geographical map application performance by 10x through strategic database transition from MSSQL to PostgreSQL, including the data cutover, optimizing processing and data security.

Ran 100 PostgreSQL, MS SQL, BigQuery warehouses

Architected, created, and managed 100 PostgreSQL, MS SQL, and Google BigQuery data warehouse databases with primarily GIS and time-series data, optimizing performance and scalability.

Accelerated PostgreSQL performance by 10x

Accelerated PostgreSQL performance by 10x via strategic indexing, partitioning, and query optimization, enhancing database efficiency for user, tenant, geospatial, and time-series electrical data.

Time-ordered keys for a growing data model

Adopted UUID v7 time-ordered identifiers (PostgreSQL 18) as entity keys to reduce B-tree index fragmentation and speed up queries.

Looking for Database Performance Tuning?

Use the linked work to judge relevant experience. Tell us what you need to build; we can discuss the scope, delivery approach and handover.

Get in touch Full portfolio

Scope the work before commissioning it

Bring a representative dataset, the questions it must answer and the current bottleneck. We can agree how to measure quality, throughput and recovery.

See what it costs Get in touch →

Talk through your requirements

Tell us what you need from “Database Performance Tuning”, including the deadline and the team that will maintain it. We can discuss a practical way forward.

Get in touch

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Carefully Crafted With Love by D.

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